

# Safety Data Sheets

Library



OHS, Bisbee

11/07/2018



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## Safety Data Sheet

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### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Heavy Duty Multi-Surface Cleaner Concentrate

#### Product Identification Numbers

70-0715-9459-5, 70-0716-8367-9

#### 1.2. Recommended use and restrictions on use

##### Recommended use

Versatile cleaner removes most spots, stains and grease from washable surfaces. Use to clean carpets, marble, aluminum, stainless steel, chrome, etc., Hard Surface Cleaner

#### 1.3. Supplier's details

<b>MANUFACTURER:</b>	3M
<b>DIVISION:</b>	Commercial Solutions Division
<b>ADDRESS:</b>	3M Center, St. Paul, MN 55144-1000, USA
<b>Telephone:</b>	1-888-3M HELPS (1-888-364-3577)

#### 1.4. Emergency telephone number

1-800-364-3577 or (651) 737-6501 (24 hours)

### SECTION 2: Hazard identification

#### 2.1. Hazard classification

Flammable Liquid: Category 4.  
Serious Eye Damage/Irritation: Category 1.  
Skin Corrosion/Irritation: Category 2.  
Skin Sensitizer: Category 1.

#### 2.2. Label elements

##### Signal word

Danger

##### Symbols

Corrosion | Exclamation mark |

**Pictograms****Hazard Statements**

Combustible liquid.

Causes serious eye damage.

Causes skin irritation.

May cause an allergic skin reaction.

**Precautionary Statements****Prevention:**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Wear protective gloves and eye/face protection.

Wear protective gloves.

Wash thoroughly after handling.

Contaminated work clothing must not be allowed out of the workplace.

**Response:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF ON SKIN: Wash with plenty of soap and water.

Immediately call a POISON CENTER or doctor/physician.

If skin irritation or rash occurs: Get medical advice/attention.

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Wash contaminated clothing before reuse.

Specific treatment (see Notes to Physician on this label).

In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

**Storage:**

Store in a well-ventilated place. Keep cool.

**Disposal:**

Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

5% of the mixture consists of ingredients of unknown acute oral toxicity.

5% of the mixture consists of ingredients of unknown acute dermal toxicity.

**SECTION 3: Composition/information on ingredients**

Ingredient	C.A.S. No.	% by Wt
WATER	7732-18-5	60 - 90 Trade Secret *
Non-ionic Surfactants (NJTSRN 04499600-6659)	Trade Secret*	10 - 30 Trade Secret *
2-AMINOISOBUTANOL	124-68-5	1 - 5 Trade Secret *
Surfactant (NJTSRN 004499600-6632)	Trade Secret*	1 - 5 Trade Secret *
SODIUM LAUROYL SARCOSINATE	137-16-6	0.1 - 1 Trade Secret *

NJTS or NJTSRN: New Jersey Trade Secret Registry Number.

\*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Inhalation:

Remove person to fresh air. If you feel unwell, get medical attention.

#### Skin Contact:

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

#### Eye Contact:

Immediately flush with large amounts of water for at least 15 minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately get medical attention.

#### If Swallowed:

Rinse mouth. If you feel unwell, get medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

See Section 11.1. Information on toxicological effects.

### 4.3. Indication of any immediate medical attention and special treatment required

Not applicable

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

### 5.2. Special hazards arising from the substance or mixture

Closed containers exposed to heat from fire may build pressure and explode.

### Hazardous Decomposition or By-Products

<u>Substance</u>	<u>Condition</u>
Carbon monoxide	During Combustion
Carbon dioxide	During Combustion
Oxides of Nitrogen	During Combustion
Oxides of Sulfur	During Combustion

### 5.3. Special protective actions for fire-fighters

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools.

Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

### 6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

### 6.3. Methods and material for containment and cleaning up

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Absorb spillage to prevent material damage. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible using non-sparking tools. Place in a metal container approved for use in transportation by appropriate authorities. The container must be lined with polyethylene plastic or contain a plastic drum liner made of polyethylene. Clean up residue with water. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

For industrial or professional use only. This product is not intended to be used without prior dilution as specified on the product label. Grounding or safety shoes with electrostatic dissipating soles (ESD) are not required with a chemical dispensing system. Keep out of reach of children. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.)

### 7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Keep cool. Store away from acids. Store away from oxidizing agents.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

No occupational exposure limit values exist for any of the components listed in Section 3 of this SDS.

### 8.2. Exposure controls

#### 8.2.1. Engineering controls

NOTE: When used with a chemical dispensing system as directed, special ventilation is not required. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment.

#### 8.2.2. Personal protective equipment (PPE)

##### Eye/face protection

NOTE: When used with a chemical dispensing system as directed, eye contact with the concentrate is not expected to occur. If the product is not used with a chemical dispensing system or if there is an accidental release, wear protective eye/face protection. Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:

Full Face Shield  
Indirect Vented Goggles

**Skin/hand protection**

NOTE: When used with a chemical dispensing system as directed, skin contact with the concentrate is not expected to occur. If product is not used with a chemical dispensing system or if there is an accidental release:

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing.

Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity. Gloves made from the following material(s) are recommended: Polymer laminate

If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary.

If product is not used with a chemical dispensing system or if there is an accidental release:

Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended:

Apron - polymer laminate

**Respiratory protection**

NOTE: When used with a chemical dispensing system as directed, respiratory protection is not required.

If product is not used with a chemical dispensing system or if there is an accidental release:

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapors

For questions about suitability for a specific application, consult with your respirator manufacturer.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

<b>General Physical Form:</b>	Liquid
<b>Specific Physical Form:</b>	Liquid
<b>Odor, Color, Grade:</b>	Citrus fragrance clear purple liquid
<b>Odor threshold</b>	<i>No Data Available</i>
<b>pH</b>	10.5 - 11.6
<b>Melting point</b>	<i>Not Applicable</i>
<b>Boiling Point</b>	> 212 °F [ <i>Test Method:Estimated</i> ]
<b>Flash Point</b>	185 °F [ <i>Test Method:Tagliabue Closed Cup</i> ]
<b>Evaporation rate</b>	<i>Not Applicable</i>
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Flammable Limits(LEL)</b>	<i>Not Applicable</i>
<b>Flammable Limits(UEL)</b>	<i>Not Applicable</i>
<b>Vapor Pressure</b>	<i>No Data Available</i>
<b>Vapor Density</b>	<i>No Data Available</i>
<b>Specific Gravity</b>	1.005 - 1.016 [ <i>Ref Std:WATER=1</i> ]
<b>Solubility in Water</b>	Complete
<b>Solubility- non-water</b>	<i>No Data Available</i>
<b>Partition coefficient: n-octanol/ water</b>	<i>Not Applicable</i>
<b>Autoignition temperature</b>	<i>No Data Available</i>

**Decomposition temperature***No Data Available***Viscosity**

15.7 - 16.7 sec [Details:S-90 Zahn #2]

**Volatile Organic Compounds**

3 - 7 % weight [Test Method:calculated per CARB title 2]

**VOC Less H2O & Exempt Solvents**

340 - 400 g/l [Test Method:calculated per CARB title 2]

**SECTION 10: Stability and reactivity****10.1. Reactivity**

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section.

**10.2. Chemical stability**

Stable.

**10.3. Possibility of hazardous reactions**

Hazardous polymerization will not occur.

**10.4. Conditions to avoid**

Not determined

**10.5. Incompatible materials**

Strong oxidizing agents

Strong acids

**10.6. Hazardous decomposition products****Substance****Condition**

None known.

Refer to section 5.2 for hazardous decomposition products during combustion.

**SECTION 11: Toxicological information**

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

**11.1. Information on Toxicological effects****Signs and Symptoms of Exposure**

Based on test data and/or information on the components, this material may produce the following health effects:

**Inhalation:**

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

**Skin Contact:**

Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, dryness, cracking, blistering, and pain.  
Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

**Eye Contact:**

Corrosive (Eye Burns): Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

#### Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

#### Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

#### Acute Toxicity

Name	Route	Species	Value
Overall product	Dermal		No data available; calculated ATE >5,000 mg/kg
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
Non-ionic Surfactants (NJTSRN 04499600-6659)	Dermal	Rabbit	LD50 > 11,200 mg/kg
Non-ionic Surfactants (NJTSRN 04499600-6659)	Ingestion	Rat	LD50 3,730 mg/kg
2-AMINOISOBUTANOL	Dermal	Rabbit	LD50 > 2,000 mg/kg
2-AMINOISOBUTANOL	Ingestion	Rat	LD50 2,900 mg/kg
Surfactant (NJTSRN 004499600-6632)	Dermal	Rabbit	LD50 > 2,000 mg/kg
Surfactant (NJTSRN 004499600-6632)	Ingestion	Rat	LD50 > 700 mg/kg

ATE = acute toxicity estimate

#### Skin Corrosion/Irritation

Name	Species	Value
Overall product	In vitro data	Irritant
2-AMINOISOBUTANOL	Rabbit	Irritant
Surfactant (NJTSRN 004499600-6632)	similar health hazards	Irritant

#### Serious Eye Damage/Irritation

Name	Species	Value
2-AMINOISOBUTANOL	Rabbit	Corrosive
Surfactant (NJTSRN 004499600-6632)	Professional judgement	Corrosive

#### Skin Sensitization

Name	Species	Value
2-AMINOISOBUTANOL	Guinea pig	Not classified

#### Respiratory Sensitization

For the component/components, either no data are currently available or the data are not sufficient for classification.

#### Germ Cell Mutagenicity

Name	Route	Value
2-AMINOISOBUTANOL	In Vitro	Not mutagenic
2-AMINOISOBUTANOL	In vivo	Not mutagenic

#### Carcinogenicity

For the component/components, either no data are currently available or the data are not sufficient for classification.

#### Reproductive Toxicity

**Reproductive and/or Developmental Effects**

Name	Route	Value	Species	Test Result	Exposure Duration
2-AMINOISOBUTANOL	Ingestion	Not classified for female reproduction	Rat	NOAEL 1,000 mg/kg/day	prematuring into lactation
2-AMINOISOBUTANOL	Ingestion	Not classified for male reproduction	Rat	NOAEL 1,000 mg/kg/day	37 days
2-AMINOISOBUTANOL	Dermal	Not classified for development	Rat	NOAEL 300 mg/kg/day	during gestation
2-AMINOISOBUTANOL	Ingestion	Toxic to development	Rat	NOAEL 100 mg/kg/day	prematuring into lactation

**Target Organ(s)****Specific Target Organ Toxicity - single exposure**

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
2-AMINOISOBUTANOL	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Mouse	NOAEL Not available	
Surfactant (NJTSRN 004499600-6632)	Inhalation	respiratory irritation	May cause respiratory irritation	similar health hazards	NOAEL Not available	

**Specific Target Organ Toxicity - repeated exposure**

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
2-AMINOISOBUTANOL	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 23 mg/kg/day	90 days
2-AMINOISOBUTANOL	Ingestion	blood   eyes   kidney and/or bladder	Not classified	Dog	NOAEL 2.8 mg/kg/day	1 years

**Aspiration Hazard**

For the component/components, either no data are currently available or the data are not sufficient for classification.

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

**SECTION 12: Ecological information****Ecotoxicological information**

Please contact the address or phone number listed on the first page of the SDS for additional ecotoxicological information on this material and/or its components.

**Chemical fate information**

Please contact the address or phone number listed on the first page of the SDS for additional chemical fate information on this material and/or its components.

**SECTION 13: Disposal considerations****13.1. Disposal methods**

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations



classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

EPA Hazardous Waste Number (RCRA): Not regulated

**SECTION 14: Transport Information**

For Transport Information, please visit <http://3M.com/Transportinfo> or call 1-800-364-3577 or 651-737-6501.

**SECTION 15: Regulatory information**

**15.1. US Federal Regulations**

**EPCRA 311/312 Hazard Classifications:**

**Physical Hazards**

Flammable (gases, aerosols, liquids, or solids)

**Health Hazards**

Serious eye damage or eye irritation

Skin Corrosion or Irritation

**15.2. State Regulations**

**California Proposition 65**

**Ingredient**

**C.A.S. No.**

**Listing**

1,4-DIOXANE	123-91-1	Carcinogen
ETHYLENE OXIDE	75-21-8	Female reproductive toxin
ETHYLENE OXIDE	75-21-8	Male reproductive toxin
ETHYLENE OXIDE	75-21-8	Carcinogen
ETHYLENE OXIDE	75-21-8	Developmental Toxin
PROPYLENE OXIDE	75-56-9	Carcinogen

**15.3. Chemical Inventories**

The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information.

The components of this product are in compliance with the new substance notification requirements of CEPA.

The components of this material are in compliance with the China "Measures on Environmental Management of New Chemical Substance". Certain restrictions may apply. Contact the selling division for additional information.

The components of this material are in compliance with the provisions of Philippines RA 6969 requirements. Certain restrictions may apply. Contact the selling division for additional information.

The components of this product are in compliance with the chemical notification requirements of TSCA.

**15.4. International Regulations**

**This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.**

## SECTION 16: Other information

### NFPA Hazard Classification

**Health:** 3 **Flammability:** 2 **Instability:** 0 **Special Hazards:** None

**Acid/Base:** Alkaline

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

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Product Number: 538AD  
Issuing Date: May 31, 2015

Product Name: Germ-X Hand Sanitizer-Morning Fresh  
Revision Date: None  
Revision Number: 0



VI·JON®

## Safety Data Sheet



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### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

#### Product identifier

Product Name 538AD Germ-X Hand Sanitizer - Morning Fresh

#### Other means of identification

Synonyms None

#### Recommended use of the chemical and restrictions on use

Recommended Use Hand sanitizer

Uses advised against Use only as directed.

#### Details of the supplier of the safety data sheet

Supplier Name Vi-Jon Inc.

Supplier Address Vi-Jon Inc.  
8800 Page Avenue  
Saint Louis  
MO  
63114  
US

Supplier Phone Number Phone: 314-427-1000 (M-F 8am-4pm CST)

Fax: 314-427-1010

Supplier Email info@vijon.com

Emergency telephone number Chemtrec: 1-800-424-9300 (24-Hour)



Product Number: 538AD  
Issuing Date: May 31, 2015

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Revision Date: None  
Revision Number: 0

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquids

Category 3

### GHS Label elements, including precautionary statements

#### Emergency Overview

#### Signal word

Flammable liquid and vapor

#### Warning



**Appearance:** Clear to Slightly Hazy,  
Pale Blue, Viscous Liquid

**Physical State:** Viscous Liquid

**Odor:** Alcohol, Fresh

#### **Precautionary Statements - Prevention**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
Keep container tightly closed  
Ground/bond container and receiving equipment  
Use explosion-proof electrical/ ventilating/ lighting/ equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge  
Wear protective gloves/protective clothing/eye protection/face protection

#### **Precautionary Statements - Response**

##### **Skin**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

##### **Fire**

In case of fire: Use CO2, dry chemical, or foam for extinction

#### **Precautionary Statements - Storage**

Store in a well-ventilated place. Keep cool

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

#### **Hazards not otherwise classified (HNOC)**

Not applicable

#### **Unknown Toxicity**

0.218% of the mixture consists of ingredient(s) of unknown toxicity

#### **Other information**

Toxic to aquatic life with long lasting effects  
PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION  
May cause slight eye irritation

#### **Interactions with Other Chemicals**

None



### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
Ethyl Alcohol 62 %v/v	64-17-5	50-100	*
Benzophenone-4	4065-45-6	0-10	*
Blue 1	3844-45-9	0-10	*
Carbomer	Proprietary	0-10	*
Fragrance	Proprietary	0-10	*
Glycerin	56-81-5	0-10	*
Isopropyl Alcohol	67-63-0	0-10	*
Isopropyl Myristate	110-27-0	0-10	*
Tocopheryl Acetate	7695-91-2	0-10	*
Water	7732-18-5	10-50	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret

### 4. FIRST AID MEASURES

#### **First aid measures**

##### **General Advice**

Call 911 or emergency medical service. Remove and isolate contaminated clothing and shoes.

##### **Eye Contact**

If symptoms persist, call a physician. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing.

##### **Skin Contact**

In the case of skin irritation or allergic reactions see a physician. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

##### **Inhalation**

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, (trained personnel should) give oxygen.

##### **Ingestion**

Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.

##### **Self-protection of the first aider**

Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

##### **Most important symptoms and effects, both acute and delayed**

##### **Most Important Symptoms and Effects**

No information available.

##### **Indication of any immediate medical attention and special treatment needed**

##### **Notes to Physician**

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray. Alcohol resistant foam.

### Unsuitable Extinguishing Media

CAUTION: All these products have a very low flash point. Use of water spray when fighting fire may be inefficient.

### Specific Hazards Arising from the Chemical

Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Runoff to sewer may create fire or explosion hazard.

**Uniform Fire Code** Flammable Liquid: I-C

### Hazardous Combustion Products

Carbon oxides.

### Explosion Data

**Sensitivity to Mechanical Impact** No.

**Sensitivity to Static Discharge** Yes.

### Protective equipment and precautions for firefighters

Move containers from fire area if you can do it without risk.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk.

**Other Information** Water spray may reduce vapor; but may not prevent ignition in closed spaces.

### Environmental Precautions

**Environmental Precautions** Prevent entry into waterways, sewers, basements or confined areas.

### Methods and material for containment and cleaning up

**Methods for Containment** A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

**Methods for cleaning up** Use clean non-sparking tools to collect absorbed material. Dike far ahead of liquid spill for later disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Handle in accordance with good industrial hygiene and safety practice. Use personal protection equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Keep in an area equipped with sprinklers. Avoid contact with skin, eyes or clothing.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

**Incompatible Products** Strong oxidizing agents. Acids. Chlorinated compounds.





## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

<b>Physical State</b>	Viscous Liquid	<b>Odor</b>	Alcohol, Fresh
<b>Appearance</b>	Clear to Slightly Hazy, Pale Blue, Viscous Liquid	<b>Odor Threshold</b>	No information available
<b>Color</b>	Pale Blue	<b>Remarks/ Method</b>	
<b>Property</b>	<b>Values</b>		
<b>pH</b>	7.5		None known
<b>Melting / freezing point</b>	No data available		None known
<b>Boiling point / boiling range</b>	No data available		None known
<b>Flash Point</b>	23 C / 73 F		None known
<b>Evaporation Rate</b>	No data available		None known
<b>Flammability (solid, gas)</b>	No data available		None known
<b>Flammability Limit in Air</b>			
<b>Upper flammability limit</b>	No data available		
<b>Lower flammability limit</b>	No data available		
<b>Vapor pressure</b>	No data available		None known
<b>Vapor density</b>	No data available		None known
<b>Specific Gravity</b>	0.90		None known
<b>Water Solubility</b>	Miscible in water		None known
<b>Solubility in other solvents</b>	No data available		None known
<b>Partition coefficient: n-octanol/water</b>	No data available		None known
<b>Autoignition temperature</b>	No data available		None known
<b>Decomposition temperature</b>	No data available		None known
<b>Kinematic viscosity</b>	No data available		None known
<b>Dynamic viscosity</b>	No data available		None known
<b>Explosive properties</b>	No data available		
<b>Oxidizing Properties</b>	No data available		
<b>Other Information</b>			
<b>Softening Point</b>	No data available		
<b>VOC Content (%)</b>	No data available		
<b>Particle Size</b>	No data available		
<b>Particle Size Distribution</b>	No data available		

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Hazardous Polymerization

Hazardous polymerization does not occur.

### Conditions to avoid

Heat, flames, and sparks.

### Incompatible materials

None known.

### Hazardous Decomposition Products

Carbon oxides.

### Other Adverse Effects

No information available.

When used in accordance with the directions.





## 11. TOXICOLOGICAL INFORMATION

There is no data for this product. The information included in this section describes the potential hazards of the individual ingredients.

### Information on likely routes of exposure

<b>Product Information</b>	Product does not present an acute toxicity hazard based on known or supplied information.
<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye Contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin Contact</b>	Specific test data for the substance or mixture is not available.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available.

### **Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl Alcohol 62% v/v 64-17-5	-	-	= 124.7 mg/L ( Rat ) 4 h
Glycerin 56-81-5	-	> 10 g/kg ( Rabbit )	-
Isopropyl Alcohol 67-63-0	= 4396 mg/kg ( Rat )	= 12800 mg/kg ( Rabbit )	= 16000 ppm ( Rat ) 8 h
Isopropyl Myristate 110-27-0	> 10000 mg/kg ( Rat )	= 5 g/kg ( Rabbit )	> 41 mg/L ( Rat )
Water 7732-18-5	> 90 mL/kg ( Rat )	-	-

### Information on toxicological effects

<b>Symptoms</b>	No information available.
<b><u>Delayed and immediate effects as well as chronic effects from short and long-term exposure</u></b>	
<b>Sensitization</b>	No information available.
<b>Mutagenic Effects</b>	No information available.
<b>Carcinogenicity</b>	The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethyl Alcohol 62% v/v 64-17-5	A3	Group 1	Known	X
Blue 1 3844-45-9		Group 3		
Isopropyl Alcohol 67-63-0		Group 3		X

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

**NTP (National Toxicology Program)**

Known - Known Carcinogen

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

<b>Reproductive Toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Chronic Toxicity</b>	None
<b>Target Organ Effects</b>	Blood. Central Nervous System (CNS). Eyes. Liver. Reproductive System. Respiratory system. Skin. Kidney. Spleen. Systemic Toxicity.
<b>Aspiration Hazard</b>	No information available.



Product Number: 538AD  
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Revision Date: None  
Revision Number: 0

#### Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (inhalation-dust/mist)

228.70 mg/l

ATEmix (inhalation-vapor)

1,872.36 ATEmix

### 12. ECOLOGICAL INFORMATION

There is no ecological data on the Product. The Product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices.

#### Ecotoxicity

Toxic to aquatic life with long lasting effects.

#### Persistence and Degradability

No information available.

#### Bioaccumulation

No information available.

#### Other adverse effects

No information available.

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

**Disposal methods** This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

**Contaminated Packaging** Do not reuse empty containers.

**US EPA Waste Number** D001

**California Hazardous Waste Codes** 331

### 14. TRANSPORT INFORMATION

#### DOT

**Proper Shipping Name** CONSUMER COMMODITY  
**Hazard Class** ORM-D  
**Description** CONSUMER COMMODITY, ORM-D  
**Emergency Response Guide Number** 127

#### TDG

**UN-No.** UN1170  
**Proper Shipping Name** ETHANOL  
**Hazard Class** 3  
**Packing Group** III  
**Description** UN1170, ETHANOL, 3, PG III

#### MEX

**UN-No.** UN1170  
**Proper Shipping Name** ETHANOL  
**Hazard Class** 3  
**Packing Group** III  
**Description** UN1170, ETHANOL, 3, III

#### ICAO

**UN-No.** UN1170  
**Proper Shipping Name** ETHANOL SOLUTION  
**Hazard Class** 3  
**Packing Group** III  
**Description** UN1170, ETHANOL SOLUTION, 3, PG III



**Product Number:** 538AD  
**Issuing Date:** May 31, 2015

**Product Name:** Germ-X Hand Sanitizer-Morning Fresh  
**Revision Date:** None  
**Revision Number:** 0

**IATA**

<b>UN-No.</b>	UN1170
<b>Proper Shipping Name</b>	ETHANOL SOLUTION
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Description</b>	UN1170, ETHANOL SOLUTION, 3, PG III

**IMDG/IMO**

<b>UN-No.</b>	UN1170
<b>Proper Shipping Name</b>	ETHANOL
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>EmS No.</b>	F-E, S-D
<b>Description</b>	UN1170, ETHANOL, 3, PG III, FP 34C

**RID**

<b>UN-No.</b>	UN1170
<b>Proper Shipping Name</b>	ETHANOL (ETHYL ALCOHOL)
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Classification code</b>	F1
<b>Description</b>	UN1170, ETHANOL (ETHYL ALCOHOL), 3, III

**ADR**

<b>UN-No.</b>	UN1170
<b>Proper Shipping Name</b>	ETHANOL (ETHYL ALCOHOL)
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Classification code</b>	F1
<b>Tunnel restriction code</b>	(D/E)
<b>Description</b>	UN1170, ETHANOL (ETHYL ALCOHOL), 3, III

**ADN**

<b>UN-No.</b>	UN1170
<b>Proper Shipping Name</b>	ETHANOL
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Classification code</b>	F1
<b>Special Provisions</b>	144, 601
<b>Description</b>	UN1170, ETHANOL, 3, III
<b>Hazard Labels</b>	3
<b>Limited Quantity</b>	LQ7
<b>Ventilation</b>	VE01



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Revision Number: 0

## 15. REGULATORY INFORMATION

### International Inventories

TSCA Complies  
DSL All components are listed either on the DSL or NDSL.  
IECSC -

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No.	Weight-%	SARA 313 - Threshold Values %
Isopropyl Alcohol - 67-63-0	67-63-0	0 - 10	1.0

#### SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

#### CWA (Clean Water Act)

This product does not contain substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### CERCLA

This material, as supplied, does not contain substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

### US State Regulations

#### California Proposition 65 - NONE

This product contains the following Proposition 65 chemicals.

#### U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Ethyl Alcohol 62% v/v 64-17-5		X			
Blue 1 3844-45-9		X			
Glycerin 56-81-5	X	X	X	X	
Isopropyl Alcohol 67-63-0	X	X	X	X	



Product Number: 538AD  
 Issuing Date: May 31, 2015

Product Name: Germ-X Hand Sanitizer-Morning Fresh  
 Revision Date: None  
 Revision Number: 0

**International Regulations**

**Mexico**

**National occupational exposure limits**

Component	Carcinogen Status	Exposure Limits
Ethyl Alcohol 62% v/v 64-17-5 ( 50 - 100 )		Mexico: TWA 1000 ppm Mexico: TWA 1900 mg/m <sup>3</sup>
Glycerin 56-81-5 ( 0 - 10 )	-	10mg/m <sup>3</sup> (mist) TWA
Isopropyl Alcohol 67-63-0 ( 0 - 10 )		Mexico: TWA 400 ppm Mexico: TWA 980 mg/m <sup>3</sup> Mexico: STEL 500 ppm Mexico: STEL 1225 mg/m <sup>3</sup>

Mexico - Occupational Exposure Limits - Carcinogens

**Canada**

**WHMIS Hazard Class**

B2  
 D2A



**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards</b> 1	<b>Flammability</b> 3	<b>Instability</b> 0	<b>Physical and Chemical Hazards</b> -
<b>HMIS</b>	<b>Health Hazards</b> 0	<b>Flammability</b> 3	<b>Physical Hazard</b> 0	<b>Personal Protection</b> X

**Prepared By** WERCS Professional Services, LLC  
 23 British American Blvd.  
 Latham, NY 12110  
 1-800-572-6501

**Issuing Date** May 31, 2015

**Revision Date** None

**Revision Note** None

General Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Approved and Updated by Vi-Jon, Inc.

Disclaimer:

The information and recommendations contained in the Safety Data Sheet (SDS) are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. The information and recommendations set forth herein are presented in good faith and believed to be correct as of this date hereof.

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**End of Safety Data Sheet**



# Safety Data Sheet

## 1. IDENTIFICATION

**Product Identifier:** 70% ISOPROPYL ALCOHOL **Date of Revision:** January 31, 2018  
**Product Code:** G697  
**Other Name(s):**  
**Distributed By:**  
**Recommended Use and Restrictions on Use:**  
**Manufactured By:** Ostrem Chemical Co. Ltd. Phone: 780-440-1911  
2310 - 80th Avenue NW In Case of Emergency Only, Phone  
Edmonton, Alberta, Canada T6P 1N2 CANUTEC: 613-996-6666  
www.ostrem.com

## 2. HAZARDS IDENTIFICATION

**Classification of the Mixture:** Eye Damage/Irritation - Category 2A  
Specific Target Organ Toxicity (Single Exposure) - Category 3  
Flammable Liquids - Category 2

**Label Elements:**

Hazard Pictogram(s):



Signal Word: DANGER

**Hazard Statement(s):** Causes serious eye irritation.  
May cause drowsiness or dizziness.  
Highly flammable liquid and vapour.

**Precautionary Statement(s):**

**Prevention:** Wash hands thoroughly after handling.  
Avoid breathing dust, vapours or spray.  
Use only outdoors or in a well-ventilated area.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Wear protective gloves, protective clothing, and eye/face protection.

**Response:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Call a poison centre or physician if you feel unwell.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

**Storage:** Store in a well-ventilated place. Keep cool.  
Keep container tightly closed.

**Disposal:** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Physical/health hazards not otherwise classified:**  
not applicable

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Conc.</u>	<u>CAS #</u>	<u>Common Names</u>
isopropanol (99%)	65 - 85%	67-63-0	isopropyl alcohol

## 4. FIRST-AID MEASURES

# Safety Data Sheet

## Necessary Measures:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Call a poison centre or physician if you feel unwell.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

## Most important symptoms, both acute and delayed:

Causes serious eye irritation.  
May cause drowsiness or dizziness.

## Indication of immediate medical attention and special treatment needed, if necessary:

not applicable

## 5. FIRE-FIGHTING MEASURES

### Suitable (and unsuitable) extinguishing media:

Use extinguishing media appropriate for surrounding fire.

### Specific hazards arising from the chemical (e.g.: hazardous combustion products):

May liberate carbon monoxide and carbon dioxide.

### Special protective equipment and precautions for firefighters:

As for surrounding fire. Firefighters should wear full protective clothing and self contained breathing equipment.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures:

Wear appropriate protective equipment. See section 8.

### Environmental precautions:

Prevent from entering sewers, waterways or low areas.

### Methods and materials for containment and cleaning up:

Isolate hazard area and restrict access. Small spills: soak up with inert absorbent material and scoop into containers. Large spills: prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material, place in appropriate container and flush with water.

## 7. HANDLING AND STORAGE

### Precautions for safe handling:

Wash hands thoroughly after handling.  
Avoid breathing dust, vapours or spray.  
Use only outdoors or in a well-ventilated area.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Do not ingest. Avoid contact with eyes, skin and clothing.

### Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep cool.  
Keep container tightly closed.  
Keep out of reach of children. Store in a cool, dry area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters - Exposure limits:

Ingredient:  
isopropanol (99%)

Limit:  
ACGIH TWA: 200 ppm  
STEL 400 ppm

### Appropriate engineering controls:

Provide exhaust ventilation to keep airborne levels below recommended exposure limits.

### Respiratory protection:

If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator.

### Other protection:

Wear protective gloves, protective clothing, and eye/face protection.

# Safety Data Sheet

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, colour etc.):	colourless liquid
Odour:	strong alcohol odour
Odour threshold:	not available
pH:	neutral
Melting/Freezing point:	-16°F / -26°C
Initial boiling point and range:	not available
Flash point:	12 C
Evaporation rate:	not available
Flammability (solid, gas):	not available
Upper/lower flammability or explosive limits:	not available
Vapour pressure:	not available
Vapour density:	not available
Relative density (specific gravity):	0.856
Solubility(ies):	100%
Partition co-efficient: n-octanol/water:	not available
Auto-ignition temperature:	not available
Decomposition temperature:	not available
Viscosity:	not available

## 10. STABILITY AND REACTIVITY

### Reactivity:

This material is considered to be non-reactive under normal use conditions.

### Chemical stability:

Stable.

### Possibility of hazardous reactions:

not available

### Conditions to avoid (e.g.: static discharge, shock or vibration):

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### Incompatible materials:

Oxidizers

### Hazardous decomposition products:

not available

## 11. TOXICOLOGICAL INFORMATION

### POTENTIAL ACUTE HEALTH EFFECTS

Inhalation:	May cause respiratory tract irritation.
Ingestion:	May be harmful if swallowed.
Eye contact:	Causes serious eye irritation.
Skin contact:	May cause mild skin irritation.
Skin absorption:	not available

### POTENTIAL CHRONIC HEALTH EFFECTS

Inhalation:	not available
Ingestion:	not available
Eye contact:	not available
Skin contact:	not available
Skin absorption:	not available

### Mutagenicity:

not available

### Carcinogenicity:

This information, if applicable, can be found in Section 2.

### Reproductive toxicity:

This information, if applicable, can be found in Section 2.

### Sensitization of product:

This information, if applicable, can be found in Section 2.

### Specific Target Organ Toxicity - single exposure:

This information, if applicable, can be found in Section 2.



# Safety Data Sheet

**Specific Target Organ Toxicity - repeated exposure:**

This information, if applicable, can be found in Section 2.

**Toxicological Data:**

Ingredient:

isopropanol (99%)

Data:

not available

**Other Toxicological Information on Ingredients:**

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity (aquatic and terrestrial, where available):** not available

**Persistence and degradability:** not available

**Bioaccumulative potential:** not available

**Mobility in soil:** not available

**Other adverse effects:** not available

**Ecological Information on Ingredients:** not available

## 13. DISPOSAL CONSIDERATIONS

**Waste disposal:** Disposal of all waste must be done according to local, provincial and federal regulations.

## 14. TRANSPORT INFORMATION

**TDG classification:** UN 1219; ISOPROPYL ALCOHOL; CLASS 3; PG II

## 15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

## 16. PREPARATION INFORMATION

**Prepared by:** Technical Services Department, Ostrem Chemical Co. Ltd., Ph.: 780-440-1911

**Date of Preparation:** January 27, 2017

**Date of Revision:** January 31, 2018

This Safety Data Sheet may not be changed or altered in any way without the express knowledge and permission of Ostrem Chemical Co. Ltd.

**End of Document**



# SAFETY DATA SHEET

## Section 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: ABC Dry Chemical Fire Extinguishant  
 Other Identifiers: Multi-purpose Dry Chemical  
 Product Code(s): CH555, F13, F11  
 Model Code(s) of Extinguishers: 402, IS 18ABC, IS35ABC, IS 45ABC, 13ABC, V25ABC, VH25ABC, V30ABC, VH30ABC, V50ABC, VS50ABC, VS75ABC, V250ABC  
 Recommended Use: Fire suppression, not for human or animal drug use.  
 Manufacturer: AMEREX CORPORATION  
 Internet Address: [www.amerex-fire.com](http://www.amerex-fire.com)  
 Address: 7595 Gadsden Highway, P.O. Box 81  
 Trussville, AL 35173-0081  
 Company Telephone: (205) 655-3271  
 E-mail Address: info@amerex-fire.com  
 Emergency Contacts: Chemtrec 1(800) 424-9300 or (703) 527-3887  
 Revised: March 13, 2018

## Section 2. HAZARDS IDENTIFICATION

### GHS – Classification

Health	Environmental	Physical
Acute Toxicity: Category 5	None	None
Skin Corrosion/Irritation: Category 3	None	None
Skin Sensitization: NO	None	None
Eye: Category 2A	None	Warning
STOT – Category 3	None	Warning
Carcinogen: Category None	None	None

GHS – Label Symbol(s):

If Pressurized: Gas Under Pressure

GHS – Words(s): Warning

**Other Hazards Not Resulting in Classification:** Mica may contain small quantities of quartz (crystalline silica). Prolonged exposure to respirable crystalline silica dust at concentrations exceeding the occupational exposure limits may increase the risk of developing a disabling

lung disease known as silicosis. IARC found limited evidence for pulmonary carcinogenicity of crystalline silica in humans. In the case of normal use of this product, exposure to silica should be nil.

The attapulgite clay used in this product has a fiber length of less than 5µm; therefore, the clay is not considered to be carcinogenic in animals or humans.

### GHS – Hazard Phrases

GHS Hazard	GHS Codes(s)	Code Phrase(s)
Physical	H229	*- Contents under pressure; may explode if heated.
Health	H303 315 319 335	May be harmful if swallowed Causes skin irritation Causes serious eye irritation May cause respiratory irritation
Environmental	None	
<b>Precautionary:</b>		
General	P101	If medical advice is needed, have product container or label at hand
Prevention	P251 261 264 280	Do not pierce or burn, even after use. Avoid breathing dust/fumes/gas/mist/vapours/spray. Wash exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
Response	P312 321 362 302+352 304+340 305+351+338  332+313 342+311 337+313	Call a doctor if you feel unwell. Specific treatment (see Section 4. First Aid Measures) Take off contaminated clothing. IF ON SKIN: Wash with plenty of water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If skin irritation occurs: Get medical advice/attention. If experiencing respiratory symptoms: Call a doctor. If eye irritation persists get medical advice/attention.
Storage	P410 +403	*- Protect from sunlight. Store in well-ventilated place.
Disposal	P501	Dispose of contents through a licensed disposal company. Contaminated container should be disposed of as unused product.

\*- If under pressure

## Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	EC No.	REACH Reg. No.	CAS-No.	Weight %	Classification
Mono-ammonium phosphate	231-764-5	01-2119488166-29	7722-76-1	80-98	NA
Attapulgite clay	601-805-5	Not Available	12174-11-7	3-16	NA
Mica-potassium aluminum silicate	310-1276	Not Available	12001-26-2	1-2	NA
Silicone oil methyl hydrogen polysiloxane	613-152-3	Not Available	63148-57-2	<1	NA
Calcium carbonate	207-439-9	Not Available	1317-65-3	<1	NA
Amorphous silica precipitated synthetic zeolite	231-545-4	01-2119379499-16-0036	7631-86-9	<1	NA
Yellow 14 pigment – di-azo dye	226-789-3	Not Available	5468-75-7	<1	NA

Emergency overview:

Light yellow, fine solid powder, odorless.

Adverse health effects and symptoms:

Mild irritant to the respiratory system. Irritant to eyes, and skin. Symptoms may include coughing,

shortness of breath, and irritation of the lungs, eyes, and skin. Ingestion, although unlikely, may cause cramps, nausea and diarrhea.

## Section 4. FIRST AID MEASURES

Eye Exposure:	May cause irritation. Irrigate eyes with water and repeat until pain free. Seek medical attention if irritation develops, or if vision changes occur.
Skin Exposure:	May cause skin irritation. In case of contact, wash with plenty of soap and water. Seek medical attention if irritation persists.
Inhalation:	May cause irritation, along with coughing. If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if irritation persists.
Ingestion:	Overdose symptoms may include numbness or tingling in hands or feet, uneven heart rate, paralysis, feeling faint, chest pain or heavy feeling, pain spreading to the arm or shoulder, nausea, diarrhea, sweating, general ill feeling, or seizure (convulsions). If victim is conscious and alert, give 2-3 glasses of water to drink. If conscious, do not induce vomiting. Seek immediate medical attention. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on side with head lower than waist.
Medical conditions possibly aggravated by exposure:	Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema, or bronchitis. Skin contact may aggravate existing skin disease. Chronic overexposure may cause pneumoconiosis ("dusty lung" disease).

## Section 5. FIRE-FIGHTING MEASURES

Flammable Properties:	Not flammable
Flash Point:	Not determined
Suitable Extinguishing Media:	Non-combustible. Use extinguishing media suitable for surrounding conditions.
Hazardous Combustion Products:	Carbon oxides

Explosion Data:

Sensitivity to Mechanical Impact:	Not sensitive
Sensitivity to Static Discharge:	Not sensitive
Unusual fire/explosion hazards:	In a fire this material may decompose, releasing oxides of carbon, potassium and nitrogen (see Section 10).
Protective Equipment and Precautions for Firefighters:	As in any fire, wear self-contained breathing apparatus pressure-demand. NIOSH (approved or equivalent) and full protective gear.

**Section 6. ACCIDENTAL RELEASE MEASURES**

Personal Precautions:	Avoid contact with skin, eyes, and clothing.
Personal Protective Equipment:	Minimum - safety glasses, gloves, and a dust respirator.
Emergency Procedures:	NA
Methods for Containment:	Prevent further leakage or spillage if safe to do so.
Methods for Clean Up:	Avoid dust formation; clean up released material using vacuum or wet sweep and shovel to minimize generation of dust. Bag and transfer to properly labeled containers. Ventilate area and wash spill site after material pickup is complete.
Other:	If product is contaminated, use PPE and containment appropriate to the nature of the most toxic chemical/material in the mixture.

**Section 7. HANDLING AND STORAGE**

Personal Precautions:	Use appropriate PPE when handling or maintaining equipment, and wash thoroughly after handling (see Section 8).
Conditions for Safe Storage:	Keep product in original container or extinguisher. Contents may be under pressure – inspect for extinguisher rust periodically to ensure container integrity.
Incompatible Products:	Do not mix with other extinguishing agents, particularly potassium bicarbonate and sodium bicarbonate. Incompatible with strong oxidizing agents and strong acids. Do not store in high humidity. Do not combine with chlorine compounds.

## Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	OSHA PEL	ACGIH TLV	DFG MAK *	EU BLV
Mono-ammonium phosphate	PNOC** Total dust, 15 mg/m <sup>3</sup> Respirable fraction, 5 mg/m <sup>3</sup>	PNOC Total dust, 10 mg/m <sup>3</sup> Respirable fraction, 3 mg/m <sup>3</sup>	PNOC Total dust, 4 mg/m <sup>3</sup> Respirable fraction, 1.5 mg/m <sup>3</sup>	NA
Mica	6 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>	-----	NA
Attapulgite clay	PNOC** Total dust, 15 mg/m <sup>3</sup> Respirable fraction, 5 mg/m <sup>3</sup>	PNOC Total dust, 10 mg/m <sup>3</sup> Respirable fraction, 3 mg/m <sup>3</sup>	PNOC Total dust, 4 mg/m <sup>3</sup> Respirable fraction, 1.5 mg/m <sup>3</sup>	
Silicone oil	NR**	NR		
Calcium carbonate	PNOC Total dust, 15 mg/m <sup>3</sup> Respirable fraction, 5 mg/m <sup>3</sup>	PNOC Total dust, 10 mg/m <sup>3</sup> Respirable fraction, 3 mg/m <sup>3</sup>	-----	NA
Amorphous silica	20mppcf $\frac{80 \text{ mg/m}^3}{\text{or } \% \text{ SiO}_2}$	10 mg/m <sup>3</sup>	4 mg/m <sup>3</sup>	NA
Yellow 14 pigment	NR	NR	NR	NA

\*German regulatory limits \*\*PNOC = Particulates not otherwise classified (ACGIH) also known as Particulates not otherwise regulated (OSHA) \*\*\* NR = Not Regulated. All values are 8 hour time weighted average concentrations.

### Engineering Controls:

Showers  
Eyewash stations  
Ventilation systems

### Personal Protective Equipment – PPE Code E:

The need for respiratory protection is not probable during short-term exposure. During production, the manufacturer should use judgement concerning the need for PPE.



Eye/Face Protection:  
Skin and Body Protection:  
Respiratory Protection:

Tightly fitting safety goggles  
Wear protective gloves/coveralls  
If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn. Use P100 respirators for limited exposure. Use air-purifying respirator (APR) with high efficiency particulate air (HEPA) filters for prolonged

exposure. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. The need for respiratory protection is not likely for short-term use in well ventilated areas.

Hygiene Measures:

Good personal hygiene practices essential, such as avoiding food, tobacco products, or other hand-to-mouth contact when handling. Wash thoroughly after handling.

**Section 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Light yellow powder, finely divided odorless solid
Molecular Weight:	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> : 115.03
Odor:	Odorless
Odor Threshold:	No information available
Decomposition Temperature °C:	100 - 120
Freezing Point °C:	No information available
Initial Boiling Point °C:	No information available
Physical State:	Crystalline Powder
pH:	Approximately 4.4 to 4.9
Flash Point °C:	None
Autoignition Temperature °C:	None
Boiling Point/Range °C:	No information available
Melting Point/Range °C:	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> : 190
Flammability/Explosion Limits in Air °C:	Upper – None; Lower-None
Explosive Properties:	None
Oxidizing Properties:	None
Volatile Component (%vol)	Not applicable
Evaporation Rate:	No information available
Vapor Density:	No information available
Vapor Pressure:	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> : 1.41 mm/Hg
Specific gravity at 25 °C:	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> : 1.80
Solubility:	40.4 g/100 ml
Partition Coefficient:	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> Est: -4.11
Viscosity:	No information available

NOTE: NH<sub>4</sub>H<sub>2</sub>PO<sub>4</sub> – Monoammonium Phosphate

## Section 10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage and handling conditions.
Incompatibles:	Strong oxidizing agents; Strong acids; sodium hypochlorite and chlorine compounds. Protect from moisture
Conditions to Avoid:	Storage or handling near incompatibles.
Hazardous Decomposition Products:	Carbon, nitrogen, and potassium oxides. Heat of fire may release carbon monoxide.
Possibility of Hazardous Reactions:	None
Hazardous Polymerization	Does not occur

## Section 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Inhalation, skin and eye contact.
Symptoms:	
Inhalation:	Irritation, coughing.
Eyes:	Irritation.
Skin:	Irritation.
Acute Toxicity:	Relatively non-toxic.
Chronic Toxicity:	
Short-term Exposure:	None known.
Long-term Exposure:	As with all dusts, pneumoconiosis, or "dusty lung" disease, may result from chronic exposure.

### Acute Toxicity Values - Health

Chemical Name	LD50		LC50 (Inhalation)
	Oral	Dermal	
Mono-ammonium phosphate	5750 mg/kg (rat)	>7940 mg/kg (rabbit)	Not available
Mica	None	None	None
Attapulgite clay	None	None	None
Silicone oil	None	None	None
Calcium carbonate	6450 mg/kg (rat)	500 mg/24 hr (rabbit)	Not available
Amorphous silica	>5000 mg/kg (rat)	>2000 mg/kg (rabbit)	>2.2 mg/L (rat)
Yellow 14 pigment	>17000 mg/kg (rat)	>3000 mg/kg (rat)	>4448 mg/m3 (rat)

Reproductive Toxicity:	This product's ingredients are not known to have reproductive or teratogenic effects.
Target Organs and Effects (TOST):	Respiratory system (mild irritant). This product is a mild irritant to epithelial tissue, (eyes, mucous membranes, skin) and may aggravate dermatitis. No information was found indicating the product causes sensitization.



## Other Toxicity Categories

Chemical Name	Germ Cell Mutagenicity	Carcinogenicity	Reproductive	TOST Single Exp	TOST Repeated Exp	Aspiration
Mono-ammonium phosphate	None	None	None	Cat 3	None	None
Attapulgite clay	None	None	None	None	None	None
Mica	None	None	None	None	None	None
Silicone oil	None	None	None	None	None	None
Calcium carbonate	None	None	None	None	None	None
Amorphous silica	None	None	None	None	None	None
Yellow 14 pigment	None	None	None	None	None	None

## Section 12. ECOLOGICAL INFORMATION

Ecotoxicity:	Negative effects unknown. Provides nutrient nitrogen and phosphorus to plant life.
Persistence/Degradability:	Degrades rapidly in humid/wet environment.
Probability of rapid biodegradation:	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> Est: 0.693 (Rapid); (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> : Est: 0.684 (Rapid)
Anaerobic biodegradation probability:	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> Est: 0.398 (Slow); (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> : Est: 0.398 (Slow)
Bioaccumulation potential:	Low.
Bioconcentration factor:	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> : 3.16 L/kg (wet weight) (Low BCF)
Bioaccumulation factor:	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> : 63.04 L/kg (wet weight)
Mobility in soil:	Slow evaporation rate; water soluble, may leach to groundwater
Log Koc:	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> Est: -1.25
Log Koa:	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> Est: 16.72
Log Kaw:	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> Est: -20.86
NOTE: NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> – Mono-ammonium Phosphate	

Other Adverse Ecological Effects: No other known effects at this time

### Aquatic Toxicity Values – Environment – Research

Chemical Name	Acute (LC50)	Chronic (LC50)
Mono-ammonium phosphate	N/A	N/A
Mica	N/A	N/A
Attapulgite clay	N/A	N/A
Silicone oil	N/A	N/A
Calcium carbonate	N/A	N/A
Amorphous silica	N/A	N/A
Yellow 14 pigment	N/A	N/A

## Aquatic Toxicity Values – Environment – Estimates

Chemical Name	Acute (LC50)	EC50
Mono-ammonium phosphate	2,91e+07 mg/L Fish 96 hr; 9.4e+06 mg/l Daphnid 48 hr;	6.70e+05 mg/L Gr. Algae 96 hr
Mica	N/A	N/A
Attapulgite clay	N/A	N/A
Silicone oil	N/A	N/A
Calcium carbonate	N/A	N/A
Amorphous silica	N/A	N/A
Yellow 14 pigment	N/A	N/A

## Section 13. DISPOSAL CONSIDERATIONS

### Safe Handling

Use appropriate PPE when handling, and wash thoroughly after handling (see Section 8).

### Waste Disposal Considerations

Dispose in accordance with federal, state, and local regulations.

### Contaminated Packaging

Dispose in accordance with federal, state, and local regulations.

### NOTES:

This product is not a RCRA characteristically hazardous or listed hazardous waste. Dispose of according to state or local laws, which may be more restrictive than federal laws or regulations. Used product may be altered or contaminated, creating different disposal considerations.

## Section 14. TRANSPORT INFORMATION

UN Number: NA  
 UN Proper Shipping Name: NA  
 Transport Hazard Class: NA  
 Packing Group: NA  
 Marine Pollutant?: NO

IATA Not regulated

DOT Not regulated

### NOTES:

This product is not defined as a hazardous material under U.S. Department of Transportation (DOT) 49 CFR 172, or by Transport Canada "Transportation of Dangerous Goods" regulations.

### Special Precautions for Shipping:

The transportation information above covers the ABC 555 dry chemical extinguisher agent as shipped in bulk containers and not when contained in fire extinguishers or fire extinguisher systems. If shipped in a stored pressure-type fire extinguisher, and pressurized with a non-flammable, non-toxic

inert expellant gas, the fire extinguisher is considered a hazardous material by the US Department of Transportation and Transport Canada. The proper shipping name shall be FIRE EXTINGUISHER and the UN designation is UN 1044. The DOT hazard class/division is LIMITED QUANTITY when pressurized to less than 241 psig and when shipped via highway or rail. UN Class 2.2. Non-Flammable Gas, when shipping via air. Packing Group – N/A

## Section 15. REGULATORY INFORMATION

**International Inventory Status:** All ingredients are on the following inventories

Country(ies)	Agency	Status
United States of America	TSCA	Yes
Canada	DSL	Yes
Europe	EINECS/ELINCS	Yes
Australia	AICS	Yes
Japan	MITI	Yes
South Korea	KECL	Yes

**REACH Title XVII Restrictions:** No information available

Chemical Name	Dangerous Substances	Organic Solvents	Harmful Substances Whose Names Are to be Indicated on Label	Pollution Release and Transfer Registry (Class II)	Pollution Release and Transfer Registry (Class I)	Poison and Deleterious Substances Control Law
Monoammonium Phosphate	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Component	ISHA – Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying	ISHA – Harmful Substances Requiring Permission	Toxic Chemical Classification Listing (TCCL) – Toxic Chemicals	Toxic Release Inventory (TRI) – Group I	Toxic Release Inventory (TRI) – Group II
Monoammonium Phosphate 7722-76-1	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Attapulgitte clay 12174-11-7 (>3)	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Mica-potassium aluminum silicate 120001-26-2 (>2)	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Calcium carbonate 471-34-1	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Amorphous silica 69012-64-2	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Yellow 14 pigment 5468-75-7	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

**European Risk and Safety phrases:**

EU Classification: Xn - Irritant

R Phrases:	20	Harmful by inhalation.
	36/37/38	Irritating to eyes, respiratory system and skin.
S Phrases:	22	Do not breath dust.
	24/25	Avoid contact with skin and eyes
	26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	36	Wear suitable protective clothing.

**U.S. Federal Regulatory Information:**

**SARA 313:**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) - This product does not contain and chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

None of the chemicals in this product are under SARA reporting requirements or have SARA threshold planning quantities (TPQs) or CERCLA reportable quantities (RQs), or are regulated under TSCA 8(d).

**SARA 311/312 Hazard Categories:**

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
*-Sudden Release of Pressure Hazard	Yes
Reactive Hazard	No

\* - Only applicable if material is in a pressurized extinguisher.

**Clean Water/Clean Air Acts:**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42) or Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61) and Section 112 of the Clean Air Act Amendments of 1990.

**U.S. State Regulatory Information:**

Chemicals in this product are covered under specific State regulations, as denoted below:

- Alaska** - Designated Toxic and Hazardous Substances: None
- California** – Permissible Exposure Limits for Chemical Contaminants: None
- Florida** – Substance List: Mica Dust
- Illinois** – Toxic Substance List: None
- Kansas** – Section 302/303 List: None
- Massachusetts** – Substance List: Mica Dust

**Minnesota** – List of Hazardous Substances: None  
**Missouri** – Employer Information/Toxic Substance List: None  
**New Jersey** – Right to Know Hazardous Substance List: None  
**North Dakota** – List of Hazardous Chemicals, Reportable Quantities: None  
**Pennsylvania** – Hazardous Substance List: None  
**Rhode Island** – Hazardous Substance List: Mica Dust  
**Texas** – Hazardous Substance List: No  
**West Virginia** – Hazardous Substance List: None  
**Wisconsin** – Toxic and Hazardous Substances: None

California Proposition 65: No component is listed on the California Proposition 65 list.

**Other:**

Mexico – Grade	No component listed
Canada – WHMIS Hazard Class	No component listed

<b>Section 16. OTHER INFORMATION</b>
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This SDS conforms to requirements under U.S., U.K., Canadian, Australian, and EU regulations or standards, and conforms to the proposed 2003 ANSI Z400.1 format.

Issuing Date	17-June-2012
Revision Date	13-March-2018
Revision Notes	None

The information herein is given in good faith but no warranty, expressed or implied, is made.  
 Updated by William F. Garvin, CIH.

# Safety Data Sheet



## 1. Identification

<b>Product Name:</b>	ACCENT QT 2PK ULTRA COVER GLOSS WHITE	<b>Revision Date:</b>	10/30/2015
<b>Product Identifier:</b>	261710	<b>Supersedes Date:</b>	New SDS
<b>Product Use/Class:</b>	Topcoat/Waterbased		
<b>Supplier:</b>	Rust-Oleum Corporation 11 Hawthorn Parkway Vernon Hills, IL 60061 USA	<b>Manufacturer:</b>	Rust-Oleum Corporation 11 Hawthorn Parkway Vernon Hills, IL 60061 USA
<b>Preparer:</b>	Regulatory Department		
<b>Emergency Telephone:</b>	24 Hour Hotline: 847-367-7700		

## 2. Hazard Identification

### Classification

### Symbol(s) of Product



### Signal Word

Warning

### GHS HAZARD STATEMENTS

Skin Sensitizer, category 1 H317 May cause an allergic skin reaction.

### GHS LABEL PRECAUTIONARY STATEMENTS

P261 Avoid breathing dust, fumes, gases, mists, vapors, or spray.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

### GHS SDS PRECAUTIONARY STATEMENTS

P363 Wash contaminated clothing before reuse.

## 3. Composition/Information On Ingredients

### HAZARDOUS SUBSTANCES

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt.% Range</u>	<u>GHS Symbols</u>	<u>GHS Statements</u>
Titanium Dioxide	13463-67-7	10-25	No Information	No Information
Dipropylene Glycol Monobutyl Ether	29911-28-2	2.5-10	No Information	No Information
Ethanol	64-17-5	0.1-1.0	GHS02	H225

Sodium Nitrite	7632-00-0	0.1-1.0	GHS03-GHS06	H272-301-331
5-Chloro-2-Methyl-4-Isothiazolin-3-one Mixture with 2-Methyl-4-Isothiazolin-3-one	55965-84-9	<0.1	GHS05-GHS06	H301-311-314-317-331

#### 4. First-aid Measures

**FIRST AID - EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

**FIRST AID - SKIN CONTACT:** Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

**FIRST AID - INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

**FIRST AID - INGESTION:** If swallowed, rinse mouth with water. If feeling unwell, get medical attention. Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention.

#### 5. Fire-fighting Measures

**EXTINGUISHING MEDIA:** Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Water Fog

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Keep containers tightly closed. FLASH POINT IS TESTED TO BE GREATER THAN 200 DEGREES F. No unusual fire or explosion hazards noted.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent buildup of steam. If water is used, fog nozzles are preferred.

#### 6. Accidental Release Measures

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations. Do not incinerate closed containers. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers.

#### 7. Handling and Storage

**HANDLING:** Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Avoid contact with eyes, skin and clothing. Avoid contact with eyes.

**STORAGE:** Store in a dry, well ventilated place. Keep container tightly closed when not in use. Keep from freezing. Keep container closed when not in use.

#### 8. Exposure Controls/Personal Protection

Chemical Name	CAS-No.	Weight % Less Than	ACGIH TLV- TWA	ACGIH TLV- STEL	OSHA PEL-TWA	OSHA PEL- CEILING
Titanium Dioxide	13463-67-7	20.0	10 mg/m3	N.E.	15 mg/m3	N.E.
Dipropylene Glycol Monobutyl Ether	29911-28-2	5.0	N.E.	N.E.	N.E.	N.E.
Ethanol	64-17-5	1.0	N.E.	1000 ppm	1000 ppm	N.E.
Sodium Nitrite	7632-00-0	1.0	N.E.	N.E.	N.E.	N.E.
5-Chloro-2-Methyl-4-Isothiazolin-3-one Mixture with 2-Methyl-4-Isothiazolin-3-one	55965-84-9	0.1	N.E.	N.E.	N.E.	N.E.

#### PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

**RESPIRATORY PROTECTION:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**SKIN PROTECTION:** Use gloves to prevent prolonged skin contact. Nitrile or Neoprene gloves may afford adequate skin protection.

**EYE PROTECTION:** Use safety eyewear designed to protect against splash of liquids.

**OTHER PROTECTIVE EQUIPMENT:** Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications. Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

**HYGIENIC PRACTICES:** Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

## 9. Physical and Chemical Properties

<b>Appearance:</b>	Liquid	<b>Physical State:</b>	Liquid
<b>Odor:</b>	Solvent Like	<b>Odor Threshold:</b>	N.E.
<b>Relative Density:</b>	1.168	<b>pH:</b>	N.A.
<b>Freeze Point, °C:</b>	N.D.	<b>Viscosity:</b>	N.D.
<b>Solubility in Water:</b>	Slight	<b>Partition Coefficient, n-octanol/water:</b>	N.D.
<b>Decomposition Temp., °C:</b>	N.D.	<b>Explosive Limits, vol%:</b>	1.1 - 36.0
<b>Boiling Range, °C:</b>	64 - 231	<b>Flash Point, °C:</b>	94
<b>Flammability:</b>	Does not Support Combustion	<b>Auto-ignition Temp., °C:</b>	N.D.
<b>Evaporation Rate:</b>	Slower than Ether	<b>Vapor Pressure:</b>	N.D.
<b>Vapor Density:</b>	Heavier than Air		

(See "Other information" Section for abbreviation legend)

## 10. Stability and Reactivity

**CONDITIONS TO AVOID:** Avoid contact with strong acid and strong bases.

**INCOMPATIBILITY:** Incompatible with strong oxidizing agents, strong acids and strong alkalies.

**HAZARDOUS DECOMPOSITION:** By open flame, carbon monoxide and carbon dioxide. When heated to decomposition, it emits acrid smoke and irritating fumes.

**HAZARDOUS POLYMERIZATION:** Will not occur under normal conditions.

**STABILITY:** This product is stable under normal storage conditions.

## 11. Toxicological information

**EFFECTS OF OVEREXPOSURE - EYE CONTACT:** Causes eye irritation. Irritating, and may injure eye tissue if not removed promptly.

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** Substance may cause slight skin irritation. Low hazard for usual industrial handling or commercial handling by trained personnel.

**EFFECTS OF OVEREXPOSURE - INHALATION:** High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. Low hazard for usual industrial handling or commercial handling by trained personnel.

**EFFECTS OF OVEREXPOSURE - INGESTION:** Substance may be harmful if swallowed.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** Contains Titanium Dioxide. Titanium Dioxide is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC. No significant exposure to Titanium Dioxide is thought to occur during the use of products in which Titanium Dioxide is bound to other materials, such as in paints during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of Titanium Dioxide in the formula. (Ref: IARC Monograph, Vol. 93, 2010)

**PRIMARY ROUTE(S) OF ENTRY:** Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

### ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
13463-67-7	Titanium Dioxide	>10000 mg/kg Rat	N.I.	N.I.
64-17-5	Ethanol	7060 mg/kg Rat	N.I.	124.7 mg/L Rat
7632-00-0	Sodium Nitrite	85 mg/kg Rat	N.I.	5.5 mg/L Rat
55965-84-9	5-Chloro-2-Methyl-4-Isothiazolin-3-one Mixture with 2-Methyl-4-Isothiazolin-3-one	53 mg/kg Rat	N.I.	N.I.



N.I. - No Information

**12. Ecological Information****ECOLOGICAL INFORMATION:** Product is a mixture of listed components.**13. Disposal Information****DISPOSAL INFORMATION:** Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems.**14. Transport Information**

	<u>Domestic (USDOT)</u>	<u>International (IMDG)</u>	<u>Air (IATA)</u>	<u>TDG (Canada)</u>
<b>UN Number:</b>	N.A.	N.A.	N.A.	N.A.
<b>Proper Shipping Name:</b>	Not Regulated	Not Regulated	Not Regulated	Not Regulated
<b>Hazard Class:</b>	N.A.	N.A.	N.A.	N.A.
<b>Packing Group:</b>	N.A.	N.A.	N.A.	N.A.
<b>Limited Quantity:</b>	No	No	No	No

**15. Regulatory Information****U.S. Federal Regulations:****CERCLA - SARA Hazard Category**

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

**Sara Section 313:**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

<u>Chemical Name</u>	<u>CAS-No.</u>
Sodium Nitrite	7632-00-0

**Toxic Substances Control Act:**

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

<u>Chemical Name</u>	<u>CAS-No.</u>
Sodium Nitrite	7632-00-0
2-Methyl-4-Isothiazolin-3-one	2682-20-4
5-Chloro-2-Methyl-4-Isothiazolin-3-one	26172-55-4

**16. Other Information****HMIS RATINGS**

**Health:** 2\*    **Flammability:** 1    **Physical Hazard:** 0    **Personal Protection:** X

**NFPA RATINGS**

**Health:** 2    **Flammability:** 1    **Instability:** 0

**VOLATILE ORGANIC COMPOUNDS, g/L:** 224

**SDS REVISION DATE:** 10/30/2015

**REASON FOR REVISION:**

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The manufacturer believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. The manufacturer makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.

# MATERIAL SAFETY DATA SHEET

PRODUCT NAME: **ACE CARPET & UPHOLSTERY** VERSION 3 PG.1  
**SHAMPOO** DATE 10/2/2001  
PRODUCT CODE: 2218 P/N 5349 & 5350  
CHEMICAL FAMILY: AQUEOUS CLEANING COMPOUND

## SECTION I

MANUFACTURES NAME: CUL-MAC INDUSTRIES  
ADDRESS: 3720 S. VENOY RD.  
WAYNE, MI 48184  
PHONE: (734) 728-9700  
EMERGENCY PHONE: (800) 535-5053

## SECTION II HAZARDOUS COMPONENTS

CHEMICAL	% by wt.	CAS #	OSHA PEL	ACGIH TLV
2-butoxyethanol	4.0	111-76-2	25 ppm TWA	25 ppm TWA

## SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT	212° F	pH	9.5 - 10.5
FREEZING POINT	32° F	SPECIFIC GRAVITY	1.0
VAPOR PRESSURE (mm Hg)	n/a	PERCENT VOLATILE	94%
VAPOR DENSITY (AIR=1)	n/a	APPEARANCE	LIGHT BLUE
SOLUBILITY IN WATER	COMPLETE	ODOR	SLIGHT DETERGENT
EVAPORATION RATE (BUTYL ACETATE =1)	<1		

## SECTION IV FIRE & EXPLOSION DATA

FLASH POINT	N/A
EXTINGUISHING MEDIA	Co2
SPECIAL PROCEDURES	NONE
UNUSUAL HAZARDS	NONE

## SECTION V REACTIVITY DATA

STABILITY	STABLE
HAZARDOUS POLYMERIZATION	WILL NOT OCCUR
INCOMPATIBILITY (CONDITIONS TO AVOID)	N/A OPEN FLAME
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS	CARBON MONOXIDE and/or CARBON DIOXIDE

PRODUCT NAME: **ACE CARPET & UPHOLSTERY  
SHAMPOO**

VERSION 3  
DATE 10/2/2001

PG.2

PRODUCT CODE: 2218 P/N 5349 & 5350

CHEMICAL FAMILY: AQUEOUS CLEANING COMPOUND

### SECTION VI HEALTH HAZARD DATA

ROUTES OF ENTRY

SKIN-EYES-INGESTION

HEALTH HAZARDS (acute & chronic)

**EYE CONTACT**- CAUSES IRRITATION AND EYE TISSUE INJURY. **SKIN CONTACT** MAY IRRITATE AND CAUSE DERMATITIS.

CARCINOGENICITY

NOT LISTED BY OSHA, IARC, OR NTP

EMERGENCY & FIRST AID PROCEDURES:

IF CONTACT WITH EYES OR SKIN IMMEDIATELY FLUSH WITH WATER.  
IF **INGESTED DO NOT INDUCE VOMITING**. CALL PHYSICIAN IMMEDIATELY.

### SECTION VII PRECAUTIONS FOR SAFE HANDLING & USE

SPILL OR LEAK PROCEDURES:

DIKE AREA, RECOVER AND DISPOSE IN ACCORDANCE TO REGULATORY REQUIREMENTS.

WASTE DISPOSAL METHOD:

ACCORDING TO LOCAL, STATE, AND FEDERAL LAWS.

SPECIAL PRECAUTIONS:

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRECAUTIONS.

### SECTION VIII CONTROL MEASURES

RESPIRATORY PROTECTION (specify):

NONE NEEDED

VENTILATION:

LOCAL EXHAUST

PROTECTIVE EQUIPMENT:

USE IMPERVIOUS GLOVES TO PREVENT SKIN CONTACT. USE GOGGLES IF EYE CONTACT IS LIKELY

#### DISCLAIMER

THE INFORMATION HEREIN HAS BEEN FROM SOURCES BELIEVED TO BE ACCURATE, RELIABLE AND UP TO DATE TO THE BEST OF OUR KNOWLEDGE. HOWEVER, WE CANNOT GIVE ANY GUARANTEES REGARDING INFORMATION FROM OTHER SOURCES AND EXPRESSLY DO NOT MAKE ANY WARRANTIES NOR ASSUME ANY LIABILITY FROM ITS USE OR MISUSE.

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

<b>Product Name</b>	<b>Anti-Static Monitor Wipe</b>
<b>CAS #</b>	Mixture
<b>Product use</b>	Screen cleaner
<b>Distributor</b>	Falcon Safety Products, Inc. 25 Imclone Drive Branchburg, NJ 08876 US Phone: 1-908-707-4900
<b>Supplier</b>	Fischer Derma Wipe Ltd. Industrial Zone Lower Galilee, Israel

## 2. Hazards Identification

<b>Emergency overview</b>	Contact may cause eye irritation.
<b>Potential short term health effects</b>	
<b>Routes of exposure</b>	Eye, Skin contact, Skin absorption, Inhalation, Ingestion.
<b>Eyes</b>	May cause irritation.
<b>Skin</b>	Prolonged or repeated contact may cause skin irritation.
<b>Inhalation</b>	May cause respiratory tract irritation.
<b>Ingestion</b>	May cause stomach distress, nausea or vomiting.
<b>Target organs</b>	Eyes. Skin.
<b>Chronic effects</b>	Prolonged or repeated exposure can cause drying, defatting and dermatitis.
<b>Signs and symptoms</b>	Symptoms may include redness, edema, drying, defatting and cracking of the skin.
<b>OSHA Regulatory Status</b>	This product is NOT known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
<b>Potential environmental effects</b>	Not available

## 3. Composition / Information on Ingredients

<b>Composition comments</b>	No hazardous ingredients as defined by OSHA Hazard Communication Standard.
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## 4. First Aid Measures

<b>First aid procedures</b>	
<b>Eye contact</b>	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
<b>Skin contact</b>	Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.
<b>Inhalation</b>	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
<b>Ingestion</b>	Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.
<b>General advice</b>	If you feel unwell, seek medical advice (show the label where possible). Keep out of reach of children.

## 5. Fire Fighting Measures

<b>Flammable properties</b>	Not flammable by OSHA criteria.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Dry chemical, CO2, water spray or regular foam.
<b>Unsuitable extinguishing media</b>	Not available

<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	Not available
<b>Protective equipment for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	Not available
<b>Sensitivity to static discharge</b>	Not available

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## 6. Accidental Release Measures

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<b>Personal precautions</b>	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
<b>Environmental precautions</b>	Do not discharge into lakes, streams, ponds or public waters.
<b>Methods for containment</b>	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods for cleaning up</b>	Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. After cleaning, flush away traces with water.

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## 7. Handling and Storage

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<b>Handling</b>	Use good industrial hygiene practices in handling this material. Keep away from heat and sources of ignition.
<b>Storage</b>	Keep out of reach of children. Store in a closed container away from incompatible materials. Store away from heat, flames, sparks, and all other sources of ignition. Protect from sunlight.

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## 8. Exposure Controls / Personal Protection

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<b>Engineering controls</b>	Not normally required if good ventilation is maintained.
<b>Personal protective equipment</b>	
<b>Eye / face protection</b>	Wear safety glasses with side shields.
<b>Hand protection</b>	Rubber gloves. Confirm with a reputable supplier first.
<b>Skin and body protection</b>	As required by employer code.
<b>Respiratory protection</b>	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

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## 9. Physical and Chemical Properties

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<b>Appearance</b>	Hazy
<b>Color</b>	Colorless
<b>Form</b>	Liquid saturated on wipe.
<b>Odor</b>	Citrus
<b>Odor threshold</b>	Not available
<b>Physical state</b>	Solid
<b>pH</b>	6 - 8
<b>Freezing point</b>	Not available
<b>Boiling point</b>	212 °F (100.00 °C)
<b>Pour point</b>	Not available
<b>Evaporation rate</b>	1 (water=1)
<b>Flash point</b>	> 200 °F (> 93.33 °C)
<b>Auto-ignition temperature</b>	Not available

Flammability limits in air, lower, % by volume	Not applicable
Flammability limits in air, upper, % by volume	Not applicable
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	Not available
Relative density	0.97 - 1.01 G/mL
Octanol/water coefficient	Not available
Solubility (H2O)	Soluble

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## 10. Stability and Reactivity

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Reactivity	None known.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Oxidizers.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.

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## 11. Toxicological Information

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<b>Effects of acute exposure</b>	
<b>Eye</b>	May cause irritation.
<b>Skin</b>	Prolonged or repeated contact may cause skin irritation.
<b>Inhalation</b>	May cause respiratory tract irritation.
<b>Ingestion</b>	May cause stomach distress, nausea or vomiting.
<b>Sensitization</b>	Non-hazardous by OSHA criteria.
<b>Chronic effects</b>	Non-hazardous by OSHA criteria.
<b>Carcinogenicity</b>	Non-hazardous by OSHA criteria.
<b>Mutagenicity</b>	Non-hazardous by OSHA criteria.
<b>Reproductive effects</b>	Non-hazardous by OSHA criteria.
<b>Teratogenicity</b>	Non-hazardous by OSHA criteria.
<b>Name of Toxicologically Synergistic Products</b>	Not available

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## 12. Ecological Information

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<b>Ecotoxicity</b>	Not available
<b>Persistence / degradability</b>	Not available
<b>Bioaccumulation / accumulation</b>	Not available
<b>Mobility in environmental media</b>	Not available
<b>Environmental effects</b>	Not available
<b>Aquatic toxicity</b>	Not available
<b>Partition coefficient</b>	Not available
<b>Chemical fate information</b>	Not available

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## 13. Disposal Considerations

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<b>Disposal instructions</b>	Review federal, state and local government requirements prior to disposal.
<b>Waste from residues / unused products</b>	Not available
<b>Contaminated packaging</b>	Not available

## 14. Transport Information

**U.S. Department of Transportation (DOT)**

Not regulated as dangerous goods.

**IMDG (Marine Transport)**

Not regulated as dangerous goods.

**IATA/ICAO (Air)**

Not regulated as dangerous goods.

## 15. Regulatory Information

**Occupational Safety and Health Administration (OSHA)**

29 CFR 1910.1200 hazardous chemical No

**US Federal regulations**

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**CERCLA (Superfund) reportable quantity**

None

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**  
 Immediate Hazard - No  
 Delayed Hazard - No  
 Fire Hazard - No  
 Pressure Hazard - No  
 Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** No

**Clean Water Act (CWA)**

Not available

**State regulations**

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**Inventory status**

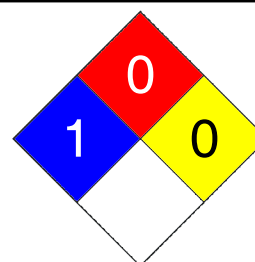
<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

## 16. Other Information

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	/ 1
Flammability	0
Physical Hazard	0
Personal Protection	X



**Disclaimer**

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

**Issue date**

07-Nov-2012

**Effective date**

01-Nov-2012

**Prepared by**

Dell Tech Laboratories Ltd. (519) 858-5021

**Other information**

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.

This MSDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.



**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



**ANTIBACTERIAL FANTASTIK® ALL PURPOSE HEAVY DUTY CLEANER**

Version 1.4

Print Date 05/01/2016

Revision Date 04/29/2016

SDS Number 350000004769

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product information**

- Product name** : **ANTIBACTERIAL FANTASTIK® ALL PURPOSE HEAVY DUTY CLEANER**
- Recommended use** : Hard Surface Cleaner
- Manufacturer, importer, supplier** : S.C. Johnson & Son, Inc.  
1525 Howe Street  
Racine WI 53403-2236
- Telephone** : +18005585252
- Emergency telephone number** : 24 Hour Medical Emergency Phone: (866)231-5406  
24 Hour International Emergency Phone: (703)527-3887  
24 Hour Transport Emergency Phone: (800)424-9300

**2. HAZARDS IDENTIFICATION**

**Classification of the substance or mixture**

**Globally Harmonized System (GHS) Classification**

This product does not meet the criteria for classification in any hazard class according to regulation OSHA 29 CFR 1910.1200.

**Labelling**

**Precautionary statements**

**Other hazards** : None identified

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No.	Weight percent
Propylene glycol monobutyl ether	5131-66-8	1.00 - 5.00
Alkyl dimethyl benzyl ammonium chloride	68391-01-5	0.10 - 1.00
Alkyl dimethyl ethyl benzyl ammonium	68956-79-6	0.10 - 1.00

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



**ANTIBACTERIAL FANTASTIK® ALL PURPOSE HEAVY DUTY CLEANER**

Version 1.4

Print Date 05/01/2016

Revision Date 04/29/2016

SDS Number 350000004769

chloride (C12-14)		
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The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

For additional information on product ingredients, see [www.whatsinsidescjohnson.com](http://www.whatsinsidescjohnson.com).

**4. FIRST AID MEASURES**

- Eye contact** : No special requirements
- Skin contact** : No special requirements
- Inhalation** : No special requirements.
- Ingestion** : No special requirements

**5. FIREFIGHTING MEASURES**

- Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during firefighting** : Container may melt and leak in heat of fire.
- Further information** : Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions** : Wash thoroughly after handling.
- Environmental precautions** : Outside of normal use, avoid release to the environment.
- Methods and materials for containment and cleaning up** : Dike large spills.  
Clean residue from spill site.

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



**ANTIBACTERIAL FANTASTIK® ALL PURPOSE HEAVY DUTY CLEANER**

Version 1.4

Print Date 05/01/2016

Revision Date 04/29/2016

SDS Number 350000004769

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**7. HANDLING AND STORAGE**

**Handling**

**Precautions for safe handling** : Avoid contact with skin, eyes and clothing.  
For personal protection see section 8.  
KEEP OUT OF REACH OF CHILDREN AND PETS.

**Advice on protection against fire and explosion** : Normal measures for preventive fire protection.

**Storage**

**Requirements for storage areas and containers** : Keep container closed when not in use.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Occupational Exposure Limits**

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

**Personal protective equipment**

**Respiratory protection** : No special requirements.

**Hand protection** : No special requirements.

**Eye protection** : No special requirements.

**Skin and body protection** : No special requirements.

**Hygiene measures** : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Form** : liquid

**Color** : yellow

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



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**Odor** : pleasant

**Odour Threshold** : No data available

**pH** : 11.8 - 12.4

**Melting point/freezing point** : No data available

**Initial boiling point and boiling range** : No data available

**Flash point** : No data available

**Evaporation rate** : No data available

**Flammability (solid, gas)** : No data available

**Upper/lower flammability or explosive limits** : No data available

**Vapour pressure** : 17.5 mmHg

**Vapour density** : No data available

**Relative density** : 1.01 g/cm<sup>3</sup> similar to water

**Solubility(ies)** : completely soluble

**Partition coefficient: n-octanol/water** : No data available

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



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- Auto-ignition temperature** : No data available
- Decomposition temperature** : No data available
- Viscosity, dynamic** : No data available
- Viscosity, kinematic** : No data available
- Oxidizing properties** : No data available
- Volatile Organic Compounds** : 3 % - additional exemptions may apply  
**Total VOC (wt. %)\*** \*as defined by US Federal and State Consumer Product Regulations
- Other information** : None identified :

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**10. STABILITY AND REACTIVITY**

- Possibility of hazardous reactions** : If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.
- Conditions to avoid** : Direct sources of heat.
- Incompatible materials** : Do not mix with bleach or any other household cleaners. Strong bases
- Hazardous decomposition products** : Thermal decomposition can lead to release of irritating gases and vapours.

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



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**11. TOXICOLOGICAL INFORMATION**

**Emergency Overview** : This product does not meet the criteria for classification in any hazard class according to regulation OSHA 29 CFR 1910.1200.

**Acute oral toxicity** :  
**Acute inhalation toxicity** :

**Acute dermal toxicity** :

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	-
Skin corrosion/irritation	No classification proposed	-
Serious eye damage/eye irritation	No classification proposed	-
Skin sensitisation	No classification proposed	-
Respiratory sensitisation	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-
Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

**Aggravated Medical Condition** : None known.



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**12. ECOLOGICAL INFORMATION**

**Product :** The product itself has not been tested.

**Toxicity**

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

**Toxicity to fish**

Components	End point	Species	Value	Exposure time
Propylene glycol monobutyl ether	static test LC50	Poecilia reticulata (guppy)	> 560 - 1,000 mg/l	96 h
Alkyl dimethyl benzyl ammonium chloride	semi-static test LC50	Lepomis macrochirus (Bluegill sunfish)	0.28 mg/l	96 h
	NOEC	Pimephales promelas (fathead minnow)	0.03 mg/l	34 d
Alkyl dimethyl ethyl benzyl ammonium chloride (C12-14)	No data available			

**Toxicity to aquatic invertebrates**

Components	End point	Species	Value	Exposure time
Propylene glycol monobutyl ether	static test EC50	Daphnia magna (Water flea)	> 1,000 mg/l	48 h
Alkyl dimethyl benzyl ammonium chloride	EC50	Daphnia magna (Water flea)	0.0059 mg/l	48 h

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Alkyl dimethyl ethyl benzyl ammonium chloride (C12-14)	No data available			
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**Toxicity to aquatic plants**

Components	End point	Species	Value	Exposure time
Propylene glycol monobutyl ether	EC50	Pseudokirchneriella subcapitata (green algae)	> 1,000 mg/l	72 h
Alkyl dimethyl benzyl ammonium chloride	EC50		0.03 mg/l	
Alkyl dimethyl ethyl benzyl ammonium chloride (C12-14)	No data available			

**Persistence and degradability**

Component	Biodegradation	Exposure time	Summary
Propylene glycol monobutyl ether	90 %	28 d	Readily biodegradable
Alkyl dimethyl benzyl ammonium chloride	60 %	13 d	Readily biodegradable
Alkyl dimethyl ethyl benzyl ammonium chloride (C12-14)	No data available		

**Bioaccumulative potential**

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Propylene glycol monobutyl ether	3.2 estimated	1.2 Measured
Alkyl dimethyl benzyl ammonium chloride	182.8	3.91
Alkyl dimethyl ethyl benzyl ammonium chloride (C12-14)	No data available	No data available



## Safety Data Sheet

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### Mobility

Component	End point	Value
Propylene glycol monobutyl ether	Koc	1.3 - 6
Alkyl dimethyl benzyl ammonium chloride	Koc	640389 - 6171657
Alkyl dimethyl ethyl benzyl ammonium chloride (C12-14)	No data available	

### PBT and vPvB assessment

Component	Results
Propylene glycol monobutyl ether	Not fulfilling PBT and vPvB criteria
Alkyl dimethyl benzyl ammonium chloride	Not fulfilling PBT and vPvB criteria

**Other adverse effects** : None known.

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## 13. DISPOSAL CONSIDERATIONS

Consumer may discard empty container in trash, or recycle where facilities exist.

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## 14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

### Land transport

Not classified as dangerous in the meaning of transport regulations.

### Sea transport

Not classified as dangerous in the meaning of transport regulations.

### Air transport

Not classified as dangerous in the meaning of transport regulations.

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



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**15. REGULATORY INFORMATION**

**FIFRA Labeling**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals.

Following is the hazard information as required on the pesticide label:

CAUTION:  
CAUSES MODERATE EYE IRRITATION.

**Notification status** : All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**California Prop. 65** : This product is not subject to the reporting requirements under California's Proposition 65.

**Registration # / Agency**  
4822-530/US/EPA

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**16. OTHER INFORMATION**

**HMIS Ratings**

<b>Health</b>	2
<b>Flammability</b>	0
<b>Reactivity</b>	0

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



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**NFPA Ratings**

<b>Health</b>	2
<b>Fire</b>	0
<b>Reactivity</b>	0
<b>Special</b>	-

This information is being provided in accordance with the Occupational Safety and Health Administration (OSHA) regulation (29 CFR 1910.1200). The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

**Further information**

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

Prepared by	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
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**MATERIAL SAFETY DATA SHEET**

<b>1. PRODUCT AND COMPANY IDENTIFICATION</b>
<ul style="list-style-type: none"> <li>• <b>Product Name:</b> SSS Original Bath Oil Fragrance Premix</li> <li>• <b>Product number:</b> 1-12016</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Company Identification:</b> Avon Products, Inc., 1 Avon Place, Suffern NY 10901 www.Avon.com Contact: Consumer Relations at 1-800-for-Avon</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Transportation emergencies (24 Hour) contact:</b> CHEMTREC: North America: 1-800-424-9300, Outside North America: 1-703-527- 3887.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Date prepared:</b> January 31, 2011</li> <li>• <b>Date revised:</b></li> </ul>
<b>2. HAZARDS IDENTIFICATION</b>
<ul style="list-style-type: none"> <li>• <b>EMERGENCY OVERVIEW:</b> This is a personal care or cosmetic product that is safe for consumers and other users under intended and reasonably foreseeable use.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>POTENTIAL HEALTH EFFECTS:</b></li> </ul>
<ul style="list-style-type: none"> <li>• <b>Eye:</b> Direct contact may cause mild, transient irritation. Avoid direct contact.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Skin:</b> None expected. Use as directed.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Inhalation:</b> Not applicable due to product form.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Ingestion:</b> Ingestion of this product may cause temporary gastric distress.</li> </ul>

### 3. COMPOSITION AND INGREDIENTS

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200:

Chemical Name	Common Name	CAS No.	Hazard data
Dioctyl Sodium Sulfosuccinate	Diethylhexyl Sodium Sulfosuccinate	577-11-7	Causes irritation to skin, eyes and respiratory tract. Harmful if swallowed

Ingredients not precisely identified are proprietary or non-hazardous.

### 4. FIRST AID MEASURES

- **Eye:** Rinse the affected eye thoroughly with water for 15-20 minutes. If discomfort or irritation persists, seek medical attention.
- **Skin:** If redness, itching, or a burning sensation should develop, wash material off the skin with soap and water. If discomfort or irritation persists, seek medical attention.
- **Inhalation:** Not applicable due to product form.
- **Ingestion:** In case of accidental ingestion, give one or two glasses of water to drink and treat symptomatically. Do not induce vomiting. Never give anything by mouth to an unconscious person. If gastrointestinal symptoms develop, seek medical attention.

### 5. SPECIAL PROTECTION INFORMATION

- **Eye:** None expected. Use only as directed.
- **Skin:** Not applicable. Use only as directed.
- **Inhalation:** Not applicable due to product form.

### 6. FIRE FIGHTING MEASURES

- **Flash Point:** >200°F (93.3°C)
- **Fire Point:** No data

<ul style="list-style-type: none"> <li>• <b>Extinguishing Media:</b> Use chemical foam, dry chemical, carbon dioxide or water.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Explosion Hazard:</b> No applicable information has been found.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Fire Fighting Instructions:</b> Contact emergency personnel. Use self-contained breathing apparatus and full protective gear, if large quantities of product are involved. Hazardous decomposition products may be released. Thermal degradation in presence of air may yield carbon monoxide, carbon dioxide, and water vapor.</li> </ul>

<b>7. PHYSICAL AND CHEMICAL PROPERTIES</b>	
<ul style="list-style-type: none"> <li>• <b>Color, Odor and Appearance:</b> Clear yellow liquid. Free of foreign matter</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Flashpoint:</b> &gt;200°F (93.3°C)</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Physical State:</b> Liquid</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Melting Point:</b> Not applicable</li> </ul>
<ul style="list-style-type: none"> <li>• <b>pH:</b> Not applicable</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Boiling Point:</b> &gt;95°F (&gt;35°C)</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Viscosity:</b> No data</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Solubility in Water:</b> No data</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Vapor Density:</b> No data</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Specific Gravity:</b> 0.9350 to 0.9650</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Burn rate (solids only):</b> Not applicable</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Fire Point:</b> No data</li> </ul>

<b>8. STABILITY AND REACTIVITY</b>
<ul style="list-style-type: none"> <li>• <b>Stability:</b> Stable.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Conditions to Avoid:</b> No applicable information has been found.</li> </ul>

<b>9. ACCIDENTAL RELEASE MEASURES</b>
<ul style="list-style-type: none"> <li>• <b>Procedures for Spill/Leak Clean-up:</b> Collect spilled material with vermiculite or other absorbent material. Sweep up and shovel into appropriate waste container.</li> </ul>

<b>10. DISPOSAL CONSIDERATIONS</b>
<ul style="list-style-type: none"> <li>• Disposal should be in compliance with all federal, state, and local laws concerning health and environmental regulations.</li> </ul>

**11. TRANSPORT INFORMATION**

- Apply appropriate regulations/procedures to properly classify for transportation.

**12. OTHER INFORMATION**

**DISCLAIMER:** The information provided in this Material Safety Data Sheet has been compiled from our experience and data with similar, commercially available materials and is believed to be accurate. No guarantee of accuracy is made. It is the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions.

# SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

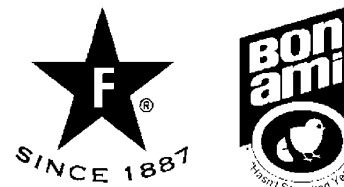
### Product Identification

Product Name: Bon Ami® Powder Cleanser  
Product Number: 04403, 04409, 04411, 04410, 04413,  
04418 04412, 04421, 04424, 04414, 04415,  
Synonyms: Bon Ami® Powder Cleanser, Bon  
Ami® Kitchen & Bath Cleanser, Bon  
Ami Polishing Cleanser

Product Use: Hard Surface Cleaner

### Company Identification

Faultless Starch / Bon Ami Co.  
1025 W 8th Street  
Kansas City, MO 64101 USA  
1-816-842-1230 (For product information)  
1-800-424-9300 or 1-703-527-3887 (For emergencies)



## 2. HAZARDS IDENTIFICATION



Eye damage/irritation-category 1  
Specific target organ toxicity-category 3

### Warning

#### NFPA Rating:

Health - 1, Flammability - 0, Reactivity - 0

#### POTENTIAL HEALTH EFFECTS

##### INHALATION RISKS AND SYMPTOMS OF EXPOSURE:

Not toxic according to Federal Hazardous Substance and Labeling Definition Act. Repeated or prolonged inhalation of respirable dust in excess of the PEL may cause chronic respiratory disorders.

##### SKIN / EYE CONTACT RISKS AND SYMPTOMS OF EXPOSURE:

Not a skin irritant. Contains Calcium Carbonate which is a mild eye irritant.

##### SKIN ABSORPTION RISKS AND SYMPTOMS OF EXPOSURE:

None known.

##### INGESTION RISKS AND SYMPTOMS OF EXPOSURE:

Not toxic according to Federal Hazardous Substance and Labeling Act.

##### HEALTH HAZARDS (ACUTE AND CHRONIC):

Repeated prolonged inhalation of respirable dust in excess of the PEL may cause chronic respiratory disorders.

##### CARCINOGENICITY INFORMATION:

Not listed by IARC or NTP as a carcinogen.

##### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

None known.



### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Amount</u>
CALCIUM CARBONATE	1317-65-3	Confidential
SODIUM CARBONATE	497-19-8	Confidential
FELDSPAR	68476-25-5	Confidential

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

### 4. FIRST AID MEASURES

**EYE CONTACT FIRST AID:**

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

**INHALATION FIRST AID:**

If exposed to excessive levels of dust, remove to fresh air.

### 5. FIRE FIGHTING MEASURES

**FLAMMABLE PROPERTIES**

COC Flash Point: N/A

Autoignition Temperature: N/A

**FLAMMABLE LIMITS IN AIR**

LEL: N/A

UEL: N/A

**FLAMMABLE PROPERTIES:**

Active ingredient is not flammable, but packaging material will burn.

**EXTINGUISHING MEDIA:**

Water, carbon dioxide, foam or dry powder.

(section 5 continued)

**SPECIAL FIRE FIGHTING PROCEDURES:**

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

No known unusual hazards in a fire/explosion situation.

**6. ACCIDENTAL RELEASE MEASURES**

**ACTIONS IF MATERIAL IS RELEASED OR SPILLED:**

If uncontaminated, recover and reuse. Avoid causing dust in air. If contaminated, collect in suitable containers for disposal.

**7. HANDLING AND STORAGE**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

Avoid breathing dust. Avoid contact with eyes. Store in a cool, dry area.

**OTHER PRECAUTIONS:**

Read and follow label CAUTIONS carefully.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:**

Use approved NIOSH/MSHA respirator if dust exceeds PEL.

**VENTILATION:**

Local exhaust to take dust away from user.

**PROTECTIVE GLOVES:**

Not required.

**EYE PROTECTION:**

Wear approved safety glasses.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

None required.

**WORK / HYGIENIC PRACTICES:**

Observe reasonable care, cleanliness, and caution.

(section 8 continued)

**EXPOSURE GUIDELINES:**

**CALCIUM CARBONATE**

OSHA PEL: Total dust 15mg/m<sup>3</sup> / Respirable dust 5 mg/m<sup>3</sup>

ACGIH TWA: Total dust 10 mg/m<sup>3</sup>

**SODIUM CARBONATE**

OSHA PEL: 5 mg/m<sup>3</sup>

**FELDSPAR**

OSHA TWA: (Respirable) 0.1 mg/m<sup>3</sup>

ACGIH TWA: (Respirable) 0.1 mg/m<sup>3</sup>

**9. PHYSICAL AND CHEMICAL PROPERTIES**

FORM .....: Powder  
COLOR .....: White  
ODOR .....: Pleasant to non-existent odor  
SOLUBILITY IN WATER ...: 10%  
BULK DENSITY .....: 0.9 g/ml  
PH .....: ~10 for a 1% solution in water

**10. STABILITY AND REACTIVITY**

**STABILITY:**

Stable.

**CONDITIONS TO AVOID:**

Exposure to acids will generate carbon dioxide.

**INCOMPATIBILITY (MATERIALS TO AVOID):**

Strong mineral acids.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:**

Reacts with acid to produce carbon dioxide or carbon monoxide.

**HAZARDOUS POLYMERIZATION:**

Will not occur.

**11. TOXICOLOGICAL INFORMATION**

No information available.

**12. ECOLOGICAL INFORMATION**

No information available.

**13. DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:**

Not a hazardous substance under the solid waste disposal act. May be disposed of in an approved land disposal facility in accordance with federal, state and local regulations.

**14. TRANSPORTATION INFORMATION**

PRODUCT LABEL.....: Bon Ami® Powder Cleanser  
D.O.T. HAZARD CLASS...: Not Regulated

**15. REGULATORY INFORMATION**

**CHEMICAL INVENTORY INFORMATION:**

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA).

**MISCELLANEOUS INFORMATION:**

No toxic chemical(s) subject to the reporting requirements of section 313 Title III and of 40 CFR 372 are present.

**16. OTHER INFORMATION**

Reason For Issue...: GHS update  
Approval Date.....: May 27, 2015  
Supercedes Date...: October 9, 2013  
RTN Number.....: 00004403 (Official Copy)

\*\*\*\*\*  
The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable and suitable to their circumstances.  
\*\*\*\*\*

\*\*\*\*\*  
**END OF SDS**  
\*\*\*\*\*



14319 129 Ave  
Edmonton, AB  
T5L 4N9  
Ph: (780) 455 7766  
Fax: (780) 455 7499  
www.chem-wipe.com

## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Citraclear  
**Synonyms:** N/A  
**Chemical Family:** Hydrocarbons / Surfactant  
**Application:** Commercial Detergent  
**Distributed By:** Chem-Wipe Industries Ltd.  
**24 - Hour Emergency Telephone Number (CANUTEC):** (613) 996 6666 - Collect Calls Accepted  
\*666 Cellular Service  
**Preparation Date of MSDS:** July 15/17  
**Prepared By:** Chem-Wipe Industries Ltd.

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

#### Hazardous Components:

Ingredients	Percent	LD50s & LC50s Route & Species:
D-Limonene 5989-27-5	45-55%	Oral LD50 (Rat) 4400 mg/kg Oral LD50 Mouse) 5600 mg/kg Oral LD50 (Rabbit) 5 mg/kg
Glycol Ether EB	35-45%	Oral LD50 (Mouse) 1230 mg/kg Dermal LD50 (Rabbit) 220 mg/kg Inhalation LC50 (Rat) 450 ppm/4H Oral LD50 (Rat) 470 mg/kg Inhalation LC50 (Mouse) 700 ppm/7H

### 3. HAZARDS IDENTIFICATION

#### Potential Acute Health Effects:

**Eye Contact:** Causes severe eye irritation.  
**Skin Contact:** Causes moderate skin irritation.  
**Inhalation:** Vapor may be irritating to throat, lungs and pulmonary track.  
**Ingestion:** Harmful if swallowed

### 4. FIRST AID MEASURES

<b>Eye Contact:</b>	In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.
<b>Skin Contact:</b>	Remove contaminated clothing and launder before reuse. Wash contaminated skin with mild soap and water for 15 minutes. Get medical attention if irritation persists.
<b>Inhalation:</b>	Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.
<b>Ingestion:</b>	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing. Get immediate medical attention.
<b>Notes to Physician:</b>	No specific antidote. Treatment based on sound judgment of physician and individual reactions of patient.

## 5. FIRE FIGHTING MEASURES

<b>Flash Point (°C):</b>	
<b>Flash Point Method:</b>	
<b>Auto Ignition Temperature (°C):</b>	
<b>Flammable Limits in Air - Lower (%):</b>	
<b>Flammable Limits in Air - Upper (%):</b>	
<b>Extinguishing Media:</b>	Use dry chemicals, CO2 or foam. Spray extinguishing media into the base of the flames. Water is unsuitable for use on burning materials, but may be used to cool containers exposed to heat.
<b>Special Exposure Hazards:</b>	Vapors are heavier than air and may accumulate in low areas. Vapors may travel along the ground to be ignited in distant locations.
<b>Special Protective Equipment:</b>	Fire Fighters should wear full protective clothing, including self-contained breathing equipment.
<b>HMIS Ratings for this product are:</b>	HEALTH 2, FLAMABILITY 2, REACTIVITY 0

## 6. ACCIDENTAL RELEASE MEASURES

<b>Procedure for Clean Up:</b>	Eliminate all ignition sources. Isolate area and restrict access. Collect liquid with explosion proof pumps. Absorb with inert dry material and place in an appropriate waste disposal container.
<b>Personal Precautionary Measures:</b>	Wear appropriate protective equipment.
<b>Environmental Precautionary Measures:</b>	Prevent entry into sewers or streams, dike if needed.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid contact with eyes, skin and clothing. Do not ingest. Ensure proper electrical grounding procedures are in place. Avoid breathing vapor. Never use air pressure for transferring product. Use of non-sparking or explosion proof equipment may be necessary, depending upon the type of operation.
<b>Storage:</b>	Keep in a cool, well ventilated place. Keep containers tightly closed. Keep away from sources of ignition. Store in carbon steel, stainless steel or Teflon.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering Controls:</b>	Local exhaust ventilation as necessary to maintain exposures to within applicable limits.
<b>Respiratory Protection:</b>	Use a positive pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known or any other circumstances

where air-purifying respirators may not provide adequate protection.

**Gloves:**

Impervious gloves.

**Skin Protection:**

Impervious clothing. Rubber gloves. The selection of personal protective equipment varies depending upon conditions of use.

**Eyes:**

Chemical goggles, also wear a face shield if splashing hazard exists.

**Other Personal Protection Data:**

Ensure that eye wash stations and safety showers are proximal to the work station.

**Hazardous Components:**

<b>Ingredients</b>	<b>Percent</b>	<b>Exposure limit - OSHA</b>
D-Limonene 5989-27-5	45-55%	Not available
Glycol Ether EB	35-45%	120 mg/m <sup>3</sup> TWA 25 ppm TWA

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State:</b>	Liquid
<b>Color:</b>	Clear to yellow tinged
<b>Odor:</b>	Citrus
<b>pH:</b>	N/A
<b>Specific Gravity:</b>	N/A
<b>Boiling Point (°C):</b>	165 °C
<b>Freezing Point (°C):</b>	-40 °C
<b>Vapor Pressure:</b>	N/A
<b>Vapor Density:</b>	N/A
<b>% Volatile by Volume:</b>	N/A
<b>Evaporation Rate:</b>	N/A
<b>Solubility:</b>	N/A
<b>VOCs (lbs/gallon):</b>	N/A
<b>Viscosity:</b>	N/A
<b>Molecular Weight:</b>	N/A

**10. STABILITY AND REACTIVITY**

<b>Chemical Stability:</b>	Stable
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Conditions to Avoid:</b>	Keep away from heat, sparks, and flame. Avoid hot work and sources of ignition on or near empty containers.
<b>Materials to Avoid:</b>	Oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Carbon monoxide. Carbon dioxide. Smoke, unidentified organic compounds.
<b>Additional Information:</b>	No additional remarks.

## 11. TOXICOLOGICAL INFORMATION

### Principle Routes of Exposure

<b>Ingestion:</b>	Harmful if swallowed
<b>Shin Contact:</b>	Causes moderate skin irritation.
<b>Inhalation:</b>	Vapor may be irritating to throat, lungs and pulmonary track.
<b>Eye Contact:</b>	Causes severe eye irritation.
<b>Other:</b>	Observations in animals include blood and kidney effects. Excessive exposure to ethylene glycol monobutyl ether may cause hemoysis, thereby impairing the blood's ability to transport oxygen.
<b>Acute Test of Product:</b>	
<b>Acute Oral LD50:</b>	N/A
<b>Acute Dermal LD50:</b>	N/A
<b>Acute inhalation LC50:</b>	N/A

### Carcinogenicity:

Ingredients	Percent	Hazardous Components:				
		IARC - Group 1 (carcinogenic to humans)	IARC - Group 2A (probably carcinogenic)	IARC - Group 2B (possibly carcinogenic)	IARC - Group 3 (not classified)	IARC - Group 4 (probably not carcinogenic)
D-Limonene 5989-27-5	100	Not listed	Not listed	Not listed	Not listed	Not listed
Glycol Ether EB	100	Not listed	Not listed	Not listed	Not listed	Not listed

### Hazardous Components:

Ingredients	Percent	ACGIH 2000 - Carcinogens
D-Limonene 5989-27-5	100	Not listed
Glycol Ether EB	100	Not listed

### Carcinogenicity Comment:

In long term animal studies with ethylene glycol butyl ether, small but statistically significant increases in tumors were seen in mice but not rats. These effects are not believed to be relevant to humans, if materials are handled in accordance with proper industrial handling, exposures should not pose any carcinogenic risk to man.

### Genotoxicity:

Not available.

### Reproductive / Developmental Toxicity:

In laboratory animal studies for Glycol Ether EB, effects on reproduction have been seen only at doses that produced significant toxicity to the parent animals.

### Teratogenicity:

Ethylene glycol monobutyl ether did not cause birth defects in animals; other effects were seen in the fetus only at doses with toxic effects to the mother.

### Embryo Toxicity:

Not available

### Mutagenicity:

Not available



## 12. ECOLOGICAL INFORMATION

### Ecotoxicological Information:

Ingredients	Percent	Hazardous Components:		
		Ecotoxicity - Fish Species Data	Acute Crustaceans Toxicity:	Ecotoxicity - Freshwater Algae Data
D-Limonene 5989-27-5	100	96 Hr (flathead minnow) 702 mg/L	Not available	Not available
Glycol Ether EB	100	96 Hr LC50 (bluegill) 1490mg/L 24 Hr LC50 (goldfish) 1650 mg/L	Not available	Not available

**Other Information:** No additional remarks.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Waste Method:** Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations.

**Contaminated Packaging:** Empty containers should be recycled or disposed of through an approved waste management facility.

## 14. TRANSPORTATION INFORMATION

### TDG (Canada):

**TDG Proper Shipping Name:** Terpene Hydrocarbons n.o.n. (d'limonene)

**Hazard Class:** 3

**UN Number:** UN2319

**Packaging Group:** III

**Note:** Not regulated under TDG when transported by road or rail in quantities under 450L.

**Marine Pollutant:** No

## 15. REGULATORY INFORMATION

**Canadian DSL Inventory Status:** Listed

**WHMIS Hazardous Class:** B3 COMBUSTABLE LIQUIDS  
D1A VERY TOXIC MATERIALS  
D2B TOXIC MATERIALS

### Symbols:



## 16. OTHER INFORMATION

**Additional Information:** This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**Disclaimer:**

NOTICE TO READER:

Chem-Wipe Ind. expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages.

Do not use ingredient information and/or ingredient percentages in this MSDS as a product specification. For product specification information refers to a Product Specification Sheet and/or a Certificate of Analysis.

All information appearing here in is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, Chem-Wipe Ind. makes no representations as to its accuracy or sufficiency. Conditions of use are beyond Chem-Wipe's control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.

# Material Safety Data Sheet

## Section 1. Chemical Product and Company Identification

<b>Product Name/Trade Name</b>	<b>Cleaner With Bleach</b> Ref# 40000678
<b>Manufacturer:</b>	KIK CUSTOM PRODUCTS
	2921 Corder Street
	Houston, TX USA 77054
<b>Contact Number:</b>	Tel: 905-660-0444
<b>24 Hour Emergency Contact:</b>	Tel: 1-800-255-3924
<b>Prepared by:</b>	KIK CUSTOM PRODUCTS
<b>Date Last Revised:</b>	October 7, 2014
<b>Replaces Date:</b>	October 18, 2011

## Section 2. Hazardous Ingredients

Ingredient	Concentration	CAS#	Worker Exposure Limit
Sodium Hypochlorite	2.0 – 2.4	7681-52-9	not established
Sodium Hydroxide	< 1.0	1310-73-2	2 mg/m <sup>3</sup> – TLV-C*
* TLV-C = ACGIH Threshold Limit Value – Ceiling None of the ingredients in this product are on the IARC or NTP carcinogen lists.			

## Section 3. Hazards Identification

Route of Entry

Skin	Yes	Eye	Yes
Inhalation	Yes	Ingestion	Yes

**Effects of Exposure:** May cause substantial but temporary eye injury. May irritate skin. When ingested, may cause nausea and vomiting. Inhalation of vapor will irritate nose, throat and lungs.

**Effects of acute exposure:** Inhalation of mist or vapor may cause breathing difficulty. Its corrosiveness may cause severe irritation to eyes and skin. May cause permanent damage if not treated properly. Ingestion can cause corrosion of mucous membranes, severe esophageal burns and perforation of esophagus or stomach.

**Effects of chronic exposure:** Not Known.

Under normal consumer use conditions, the likelihood of any adverse health effects is low. The following medical conditions may be aggravated by exposure to high concentration of vapor or mist: heart conditions or chronic respiratory problems such as asthma, bronchitis or obstructive lung disease. Some clinical tests conducted on intact skin with sodium hypochlorite liquid bleach found no sensitization in the test subjects.

## Section 4. First Aid Measures

**Skin:** Remove contaminated clothing. Wash with copious amount of water. If irritation persists, call a doctor.

**Eyes:** Flush eyes with cool running water holding eyelids apart to ensure thorough rinsing for 15 minutes. Remove contact lenses. See a doctor immediately.

**Inhalation:** Move to fresh air and restore breathing. If breathing problems develop, call a doctor.

**Ingestion:** DO NOT INDUCE VOMITING! Drink large amounts of water. Do not give anything by mouth to a convulsing or unconscious person. See a doctor immediately.

**General Advice:** If irritation occurs, see a doctor immediately.

### ***Section 5. Preventative Measures***

#### **Protective Equipment**

Gloves: Impervious PVC or Neoprene.

Eyes: Safety glasses at the very least. Chemical splash goggles. Face shield also helpful.

Respiratory: Not normally required. Footwear: Protect shoes and feet when using product for floor cleaning.

#### **LEAK AND SPILL PROTECTION:**

Small spills: Dilute product by flooding area with large quantity of water and flush to sanitary sewer.

Large spills: Contain run-off by diking with suitable material. Soak up liquid on inert absorbent and transfer to approved container. Prevent spill from entering sewers or waterways

**WASTE DISPOSAL:** Reclaim or dispose in accordance with local regulations.

**STORAGE REQUIREMENTS:** Store in a cool, dry and well-ventilated area.

### ***Section 6. Physical Data***

<b>State</b>	Liquid	<b>pH</b>	12.0 –13.0
<b>Appearance</b>	Clear Pale yellow	<b>Specific Gravity</b>	1.03 –1.050
<b>Odor</b>	Fresh	<b>Solubility in water</b>	complete

### ***Section 7. Fire & Explosion***

Not flammable nor explosive

### ***Section 8. Reactivity Data***

Chemical Stability: Stable under normal use and storage conditions.

Conditions: Temperature above 40 °C, sunlight and metals,

Incompatibility: YES X NO

What Substances? Acids, ammonia, urea, metals & oxidizers.

Reactivity / Conditions: Reacts with other household products containing such chemicals as acids, rust removers, urea or ammonia to produce hazardous gases such as chlorine and other chlorinated species.

Oxygen is released on contact with metals. Extended contact with metals may cause discoloration or pitting

### ***Section 9. Regulatory Information***

#### **WHIMS:**

Health: 1

Flammability: 0

Reactivity: 1

**DOT:** Not Restricted

As the handling and use of products under user's conditions are beyond our control, no warranty, expressed or implied, is made concerning this product. The information contained herein is offered only as a guide to the handling of this specific material and is not intended to be all-inclusive in the manner and conditions of use and handling. The user assumes all risks of use or handling, whether or not in accordance with any directions or suggestions of the manufacturer. Manufacturer shall not be liable to purchaser or any other person for loss or damages directly or indirectly arising from the use of our product.



# SAFETY DATA SHEET

Issuing Date January 5, 2015

Revision Date September 9, 2015

Revision Number 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Name** Clorox® Clean-Up® Cleaner + Bleach<sub>1</sub> - Fresh Scent

### Other means of identification

**EPA Registration Number** 5813-21

### Recommended use of the chemical and restrictions on use

**Recommended use** Disinfecting bleach spray cleaner

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### **Supplier Address**

The Clorox Company  
1221 Broadway  
Oakland, CA 94612

Phone: 1-510-271-7000

### Emergency telephone number

**Emergency Phone Numbers** For Medical Emergencies, call: 1-800-446-1014  
For Transportation Emergencies, call Chemtrec: 1-800-424-9300



### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade Secret
Sodium hypochlorite	7681-52-9	1 - 5	*
Sodium hydroxide	1310-73-2	0.1 - 1	*

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

#### First aid measures

<b>General Advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.
<b>Skin Contact</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. If irritation develops, call a doctor.
<b>Inhalation</b>	Move to fresh air. If breathing is affected, call a doctor.
<b>Ingestion</b>	Call a poison control center or doctor immediately. Have person sip a glassful of water if able to swallow. DO NOT induce vomiting unless told to do so by a poison control center or doctor.
<b>Protection of First-aiders</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8).

#### Most important symptoms and effects, both acute and delayed

<b>Most Important Symptoms and Effects</b>	Stinging and irritation of eyes.
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#### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically.
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### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### Unsuitable Extinguishing Media

CAUTION: Use of water spray when fighting fire may be inefficient.

#### Specific Hazards Arising from the Chemical

No information available.

#### Explosion Data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

#### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions**                      Avoid contact with eyes, skin, and clothing. Use personal protective equipment as required.

**Other Information**                        Refer to protective measures listed in Sections 7 and 8.

**Environmental precautions**

**Environmental Precautions**              See Section 12 for ecological Information.

**Methods and material for containment and cleaning up**

**Methods for Containment**                Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up**                Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Handling**                                      Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

**Conditions for safe storage, including any incompatibilities**

**Storage**                                        Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible Products**                    Products containing ammonia, toilet bowl cleaners, rust removers, or acids.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium hypochlorite 7681-52-9	None	None	None
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	IDLH: 10 mg/m <sup>3</sup> Ceiling: 2 mg/m <sup>3</sup>

*ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.*

**Appropriate engineering controls**

**Engineering Measures**                    Showers  
 Eyewash stations  
 Ventilation systems



**Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	If splashes are likely to occur: Wear safety glasses with side shields (or goggles). None required for consumer use.
<b>Skin and Body Protection</b>	Wear protective gloves and protective clothing.
<b>Respiratory Protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
<b>Hygiene Measures</b>	Remove and wash contaminated clothing before re-use. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Physical and Chemical Properties**

<b>Physical State</b>	Thin liquid	<b>Odor</b>	Apple, floral, bleach
<b>Appearance</b>	Clear	<b>Odor Threshold</b>	No information available
<b>Color</b>	Pale yellow		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks/ Method</u></b>	
<b>pH</b>	12.4 - 12.8	None known	
<b>Melting/freezing point</b>	No data available	None known	
<b>Boiling point / boiling range</b>	No data available	None known	
<b>Flash Point</b>	Not flammable	None known	
<b>Evaporation rate</b>	No data available	None known	
<b>Flammability (solid, gas)</b>	No data available	None known	
<b>Flammability Limits in Air</b>			
<b>Upper flammability limit</b>	No data available	None known	
<b>Lower flammability limit</b>	No data available	None known	
<b>Vapor pressure</b>	No data available	None known	
<b>Vapor density</b>	No data available	None known	
<b>Specific Gravity</b>	~1.03	None known	
<b>Water Solubility</b>	Soluble in water	None known	
<b>Solubility in other solvents</b>	No data available	None known	
<b>Partition coefficient: n-octanol/water</b>	No data available	None known	
<b>Autoignition temperature</b>	No data available	None known	
<b>Decomposition temperature</b>	No data available	None known	
<b>Kinematic viscosity</b>	No data available	None known	
<b>Dynamic viscosity</b>	No data available	None known	
<b>Explosive Properties</b>	Not explosive		
<b>Oxidizing Properties</b>	No data available		
<b><u>Other Information</u></b>			
<b>Softening Point</b>	No data available		
<b>VOC Content (%)</b>	No data available		
<b>Particle Size</b>	No data available		
<b>Particle Size Distribution</b>	No data available		

## 10. STABILITY AND REACTIVITY

### Reactivity

Reacts with other household chemicals such as products containing ammonia, toilet bowl cleaners, rust removers, or acids to produce hazardous gases, such as chlorine and other chlorinated compounds.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to avoid

None known based on information supplied.

### Incompatible materials

Products containing ammonia, toilet bowl cleaners, rust removers, vinegar, or acids.

### Hazardous Decomposition Products

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Inhalation</b>	Exposure to vapor or mist may irritate respiratory tract.
<b>Eye Contact</b>	May cause eye irritation.
<b>Skin Contact</b>	Prolonged contact may cause irritation.
<b>Ingestion</b>	Ingestion may cause irritation to mucous membranes and gastrointestinal tract, nausea, vomiting, and diarrhea.

#### Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium hypochlorite 7681-52-9	8200 mg/kg (Rat)	>10000 mg/kg (Rabbit)	-
Sodium hydroxide 1310-73-2	-	1350 mg/kg (Rabbit)	-

### Information on toxicological effects

**Symptoms** May cause redness and tearing of the eyes.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Sodium hypochlorite 7681-52-9	-	Group 3	-	-

**IARC (International Agency for Research on Cancer)**  
Group 3 - Not Classifiable as to Carcinogenicity in Humans

**Reproductive Toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Chronic Toxicity** Carcinogenic potential is unknown.

**Target Organ Effects** Respiratory system, eyes, skin, gastrointestinal tract (GI).

**Aspiration Hazard** No information available.

#### **Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document  
Not applicable.

## **12. ECOLOGICAL INFORMATION**

#### **Ecotoxicity**

Toxic to aquatic life with long lasting effects.

#### **Persistence and Degradability**

No information available.

#### **Bioaccumulation**

No information available.

#### **Other adverse effects**

No information available.

## **13. DISPOSAL CONSIDERATIONS**

#### **Disposal methods**

Dispose of in accordance with all applicable federal, state, and local regulations.

#### **Contaminated Packaging**

Do not reuse empty containers. Dispose of in accordance with all applicable federal, state, and local regulations.

## **14. TRANSPORT INFORMATION**

**DOT** Not restricted.

**TDG** Not restricted for road or rail.

**ICAO** Not restricted, as per Special Provision A197, Environmentally Hazardous Substance exception.

**IATA** Not restricted, as per Special Provision A197, Environmentally Hazardous Substance exception.

**IMDG/IMO** Not restricted, as per IMDG Code 2.10.2.7, Marine Pollutant exception.

## 15. REGULATORY INFORMATION

### Chemical Inventories

**TSCA** All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.

**DSL/NDSL** All components are on the DSL or NDSL.

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

### U.S. Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### **SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

#### **Clean Water Act**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hypochlorite 7681-52-9	100 lb			X
Sodium hydroxide 1310-73-2	1000 lb			X

#### **CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Sodium hypochlorite 7681-52-9	100 lb	-	RQ 100 lb final RQ RQ 45.4 kg final RQ
Sodium hydroxide 1310-73-2	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ

#### **EPA Statement**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**WARNING: EYE AND SKIN IRRITANT.** Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Avoid contact with skin. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Harmful if swallowed. For sensitive skin or prolonged use, wear gloves. Vapors may irritate. Avoid prolonged breathing of vapors. Use only in well ventilated areas. **Not recommended for use by persons with heart conditions or chronic respiratory problems such as asthma, emphysema or obstructive lung disease.**

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Sodium hypochlorite 7681-52-9	X	X	X	X	
Sodium hydroxide 1310-73-2	X	X	X	X	

**International Regulations**

**Canada**

**WHMIS Hazard Class**

D2B - Toxic materials



**16. OTHER INFORMATION**

**NFPA**      Health Hazard 2      Flammability 0      Instability 0      Physical and Chemical Hazards -

**HMIS**      Health Hazard 2      Flammability 0      Physical Hazard 0      Personal Protection B

**Prepared By**      Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

**Revision Date**      September 9, 2015

**Revision Note**      Revisions Sections 2, 8, and 14.

**Reference**      1086765/125259.001

**General Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**



# SAFETY DATA SHEET

Issuing Date January 5, 2015

Revision Date New

Revision Number 0

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Name** Clorox Commercial Solutions® Clorox® Disinfecting Wipes - Fresh Scent

### Other means of identification

**EPA Registration Number** 67619-9

### Recommended use of the chemical and restrictions on use

**Recommended use** Moistened disinfecting wipes

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### **Supplier Address**

Clorox Professional Products Company  
1221 Broadway  
Oakland, CA 94612

Phone: 1-510-271-7000

### Emergency telephone number

**Emergency Phone Numbers** For Medical Emergencies call: 1-800-446-1014  
For Transportation Emergencies, call Chemtrec: 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

### GHS Label elements, including precautionary statements

#### Emergency Overview

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

<b>Appearance</b> Clear, colorless liquid absorbed into white, non-woven wipes	<b>Physical State</b> Thin liquid absorbed into non-woven wipes	<b>Odor</b> Fruity, apple, floral
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### Precautionary Statements - Prevention

None

### Precautionary Statements - Response

None

### Precautionary Statements - Storage

None

### Precautionary Statements - Disposal

None

### Hazards not otherwise classified (HNOC)

Not applicable

### Unknown Toxicity

21.5% of the mixture consists of ingredient(s) of unknown toxicity

### Other information

No information available

### Interactions with Other Chemicals

No information available.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %	Trade Secret
Ethylene glycol monoethyl ether	112-25-4	1 - 5	*
n-Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	85409-23-0	0.1 - 0.2	*
n-Alkyl (5% C12, 60% C14, 30% C16, 5% C18) dimethyl benzyl ammonium chloride	53516-76-0	0.1 - 0.2	*

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. FIRST AID MEASURES

### First aid measures

<b>General Advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Eye Contact</b>	Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. If present, remove contact lenses after the first 5 minutes of rinsing, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.
<b>Skin Contact</b>	Rinse skin with plenty of water. If irritation persists, call a doctor.
<b>Inhalation</b>	Move to fresh air. If breathing problems develop, call a doctor.
<b>Ingestion</b>	Drink a glassful of water. Call a doctor or poison control center.

### Most important symptoms and effects, both acute and delayed

<b>Most Important Symptoms and Effects</b>	Liquid may cause eye irritation.
--	----------------------------------

### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically.
---------------------------	------------------------

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### Unsuitable Extinguishing Media

CAUTION: Use of water spray when fighting fire may be inefficient.

### Specific Hazards Arising from the Chemical

#### **Hazardous Combustion Products**

Oxides of carbon.

#### **Explosion Data**

**Sensitivity to Mechanical Impact** No.

**Sensitivity to Static Discharge** No.

#### **Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.



**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Avoid contact with eyes.  
**Other Information** Refer to protective measures listed in Sections 7 and 8.

**Environmental precautions**

**Environmental Precautions** See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.  
**Methods for Cleaning Up** Containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin, and clothing. Do not eat, drink, or smoke when using this product.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep containers tightly closed in a dry, cool, and well-ventilated place.  
**Incompatible Products** None known.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethylene glycol monoethyl ether 112-25-4	None	None	None
n-Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride 85409-23-0	None	None	None
n-Alkyl (5% C12, 60% C14, 30% C16, 5% C18) dimethyl benzyl ammonium chloride 53516-76-0	None	None	None

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

**Appropriate engineering controls**

**Engineering Measures**                      Showers  
    Eyewash stations  
    Ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection**                      No special protective equipment required.

**Skin and Body Protection**                No special protective equipment required.

**Respiratory Protection**                    No protective equipment is needed under normal use conditions. If irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures**                         Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical and Chemical Properties**

<b>Physical State</b>	Thin liquid absorbed into non-woven wipes		
<b>Appearance</b>	Clear liquid absorbed into non-woven wipes	<b>Odor</b>	Fruity, apple, floral
<b>Color</b>	Colorless liquid - white non-woven wipes	<b>Odor Threshold</b>	No information available

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks/ Method</u></b>
<b>pH</b>	6 - 9 (liquid)	None known
<b>Melting/freezing point</b>	No data available	None known
<b>Boiling point / boiling range</b>	No data available	None known
<b>Flash Point</b>	No data available	None known
<b>Evaporation rate</b>	No data available	None known
<b>Flammability (solid, gas)</b>	No data available	None known
<b>Flammability Limits in Air</b>		
<b>Upper flammability limit</b>	No data available	None known
<b>Lower flammability limit</b>	No data available	None known
<b>Vapor pressure</b>	No data available	None known
<b>Vapor density</b>	No data available	None known
<b>Specific Gravity</b>	~1.0 (liquid)	None known
<b>Water Solubility</b>	Complete (liquid)	None known
<b>Solubility in other solvents</b>	No data available	None known
<b>Partition coefficient: n-octanol/water</b>	No data available	None known
<b>Autoignition temperature</b>	No data available	None known
<b>Decomposition temperature</b>	No data available	None known
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	No data available	None known
<b>Explosive Properties</b>	Not explosive	
<b>Oxidizing Properties</b>	No data available	

**Other Information**

<b>Softening Point</b>	No data available
<b>VOC Content (%)</b>	No data available
<b>Particle Size</b>	No data available
<b>Particle Size Distribution</b>	No data available

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to avoid

None known based on information supplied.

### Incompatible materials

None known.

### Hazardous Decomposition Products

None known.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Inhalation</b>	Exposure to vapor or mist may irritate respiratory tract.
<b>Eye Contact</b>	Liquid may cause irritation.
<b>Skin Contact</b>	Liquid may cause slight irritation.
<b>Ingestion</b>	Ingestion of liquid may cause slight irritation to mucous membranes and gastrointestinal tract.

#### Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethylene glycol monoethyl ether 112-25-4	739 mg/kg (Rat)	721 mg/kg (Rabbit)	>0.5 mg/L (Rat, 4 h)

### Information on toxicological effects

**Symptoms** Liquid may cause redness and tearing of eyes.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Sensitization</b>	No information available.
<b>Mutagenic Effects</b>	No information available.
<b>Carcinogenicity</b>	None of the ingredients in this product are on the IARC, OSHA, or NTP carcinogen lists.
<b>Reproductive Toxicity</b>	No information available.

<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Chronic Toxicity</b>	No known effect based on information supplied.
<b>Target Organ Effects</b>	Respiratory system, eyes, skin, gastrointestinal tract (GI).
<b>Aspiration Hazard</b>	No information available.

**Numerical measures of toxicity - Product Information**

**ATEmix (oral)**  
40.1 g/kg

**ATEmix (dermal)**  
59.8 g/kg

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

No information available.

**Persistence and Degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available.

**13. DISPOSAL CONSIDERATIONS****Disposal methods**

Dispose of in accordance with all applicable federal, state, and local regulations.

**Contaminated Packaging**

Do not reuse empty containers. Dispose of in accordance with all applicable federal, state, and local regulations.

**14. TRANSPORT INFORMATION**

<b><u>DOT</u></b>	Not regulated.
<b><u>TDG</u></b>	Not regulated.
<b><u>ICAO</u></b>	Not regulated.
<b><u>IATA</u></b>	Not regulated
<b><u>IMDG/IMO</u></b>	Not regulated

## 15. REGULATORY INFORMATION

### Chemical Inventories

**TSCA** All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.

**DSL/NDSL** All components are on the DSL or NDSL.

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

### U.S. Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical which is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS No.	Weight %	Threshold Value (%)
Ethylene glycol monohexyl ether	112-25-4	1 - 5	1.0

#### **SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

#### **CWA (Clean Water Act)**

This product does not contain any substances that are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### **CERCLA**

This product does not contain any substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

#### **EPA Statement**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling. Wear gloves for prolonged or frequent use.





# SAFETY DATA SHEET

Issuing Date January 5, 2015

Revision Date New

Revision Number 0

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Name** Clorox® Disinfecting Wipes - Fresh Lavender

### Other means of identification

**Drug Identification Number** 02246233

### Recommended use of the chemical and restrictions on use

**Recommended use** Moistened disinfecting wipes

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### **Supplier Address**

The Clorox Company of Canada Ltd.  
150 Biscayne Crescent  
Brampton, Ontario L6W 4V3

Phone: 1-905-595-8200

### Emergency telephone number

**Emergency Phone Numbers** For Medical Emergencies call: 1-800-446-1014  
For Transportation Emergencies, call Chemtrec: 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

This product is not considered hazardous under GHS.

### GHS Label elements, including precautionary statements

#### Emergency Overview

This product is not considered hazardous under GHS.

**Appearance** Clear, colourless liquid absorbed into white, non-woven wipes

**Physical State** Thin liquid absorbed into non-woven wipes

**Odour** Aromatic, lavender

### Precautionary Statements - Prevention

None

### Precautionary Statements - Response

None

### Precautionary Statements - Storage

None

### Precautionary Statements - Disposal

None

### Hazards not otherwise classified (HNOC)

Not applicable

### Unknown Toxicity

21.5% of the mixture consists of ingredient(s) of unknown toxicity

### Other information

No information available

### Interactions with Other Chemicals

No information available.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %	Trade Secret
Ethylene glycol monoethyl ether	112-25-4	1 - 5	*
n-Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	85409-23-0	0.1 - 0.2	*
n-Alkyl (5% C12, 60% C14, 30% C16, 5% C18) dimethyl benzyl ammonium chloride	53516-76-0	0.1 - 0.2	*

\* The exact percentage (concentration) of composition has been withheld as a trade secret.



## 4. FIRST AID MEASURES

### First aid measures

<b>General Advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Eye Contact</b>	Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. If present, remove contact lenses after the first 5 minutes of rinsing, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.
<b>Skin Contact</b>	Rinse skin with plenty of water. If irritation persists, call a doctor.
<b>Inhalation</b>	Move to fresh air. If breathing problems develop, call a doctor.
<b>Ingestion</b>	Drink a glassful of water. Call a doctor or poison control center.

### Most important symptoms and effects, both acute and delayed

<b>Most Important Symptoms and Effects</b>	Liquid may cause eye irritation.
--	----------------------------------

### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically.
---------------------------	------------------------

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### Unsuitable Extinguishing Media

CAUTION: Use of water spray when fighting fire may be inefficient.

### Specific Hazards Arising from the Chemical

#### **Hazardous Combustion Products**

Oxides of carbon.

#### **Explosion Data**

**Sensitivity to Mechanical Impact** No.

**Sensitivity to Static Discharge** No.

#### **Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions**                      Avoid contact with eyes.

**Other Information**                      Refer to protective measures listed in Sections 7 and 8.

**Environmental precautions**

**Environmental Precautions**              See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for Containment**              Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up**              Containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Handling**                                      Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin, and clothing. Do not eat, drink, or smoke when using this product.

**Conditions for safe storage, including any incompatibilities**

**Storage**                                      Keep containers tightly closed in a dry, cool, and well-ventilated place.

**Incompatible Products**                  None known.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethylene glycol monoethyl ether 112-25-4	None	None	None
n-Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride 85409-23-0	None	None	None
n-Alkyl (5% C12, 60% C14, 30% C16, 5% C18) dimethyl benzyl ammonium chloride 53516-76-0	None	None	None

*ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.*

**Appropriate engineering controls**

<b>Engineering Measures</b>	Showers Eyewash stations Ventilation systems
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**Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	No special protective equipment required.
<b>Skin and Body Protection</b>	No special protective equipment required.
<b>Respiratory Protection</b>	No protective equipment is needed under normal use conditions. If irritation is experienced, ventilation and evacuation may be required.
<b>Hygiene Measures</b>	Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Physical and Chemical Properties**

<b>Physical State</b>	Thin liquid absorbed into non-woven wipes		
<b>Appearance</b>	Clear liquid absorbed into non-woven wipes	<b>Odour</b>	Aromatic, lavender
<b>Colour</b>	Colourless liquid - white non-woven wipes	<b>Odour Threshold</b>	No information available

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks/ Method</u></b>
<b>pH</b>	6 - 9 (liquid)	None known
<b>Melting/freezing point</b>	No data available	None known
<b>Boiling point / boiling range</b>	No data available	None known
<b>Flash Point</b>	No data available	None known
<b>Evaporation rate</b>	No data available	None known
<b>Flammability (solid, gas)</b>	No data available	None known
<b>Flammability Limits in Air</b>		
<b>Upper flammability limit</b>	No data available	None known
<b>Lower flammability limit</b>	No data available	None known
<b>Vapor pressure</b>	No data available	None known
<b>Vapor density</b>	No data available	None known
<b>Specific Gravity</b>	~1.0 (liquid)	None known
<b>Water Solubility</b>	Complete (liquid)	None known
<b>Solubility in other solvents</b>	No data available	None known
<b>Partition coefficient: n-octanol/water</b>	No data available	None known
<b>Autoignition temperature</b>	No data available	None known
<b>Decomposition temperature</b>	No data available	None known
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	No data available	None known
<b>Explosive Properties</b>	Not explosive	
<b>Oxidizing Properties</b>	No data available	

**Other Information**

<b>Softening Point</b>	No data available
<b>VOC Content (%)</b>	No data available
<b>Particle Size</b>	No data available
<b>Particle Size Distribution</b>	No data available



<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Chronic Toxicity</b>	No known effect based on information supplied.
<b>Target Organ Effects</b>	Respiratory system, eyes, skin, gastrointestinal tract (GI).
<b>Aspiration Hazard</b>	No information available.

#### **Numerical measures of toxicity - Product Information**

**ATEmix (oral)**  
40.1 g/kg

**ATEmix (dermal)**  
59.8 g/kg

### **12. ECOLOGICAL INFORMATION**

#### **Ecotoxicity**

No information available.

#### **Persistence and Degradability**

No information available.

#### **Bioaccumulation**

No information available.

#### **Other adverse effects**

No information available.

### **13. DISPOSAL CONSIDERATIONS**

#### **Disposal methods**

Dispose of in accordance with all existing federal, provincial, and municipal environmental regulations.

#### **Contaminated Packaging**

Do not reuse empty containers. Dispose of in accordance with all existing federal, provincial, and municipal environmental regulations.

### **14. TRANSPORT INFORMATION**

<b><u>DOT</u></b>	Not regulated.
<b><u>TDG</u></b>	Not regulated.
<b><u>ICAO</u></b>	Not regulated.
<b><u>IATA</u></b>	Not regulated
<b><u>IMDG/IMO</u></b>	Not regulated

**15. REGULATORY INFORMATION**

**Chemical Inventories**

**TSCA** All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.  
**DSL/NDSL** All components are on the DSL or NDSL.

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**Canada Regulations**

**WHMIS Hazard Class**  
 D2B Toxic materials



**16. OTHER INFORMATION**

**NFPA** Health Hazard 1 Flammability 0 Instability 0 Physical and Chemical Hazards -

**HMIS** Health Hazard 1 Flammability 0 Physical Hazard 0 Personal Protection A

**Prepared By** Product Stewardship  
 23 British American Blvd.  
 Latham, NY 12110  
 1-800-572-6501

**Preparation/Revision Date** January 5, 2015

**Revision Note** New

**Reference** 1073886-A/174197.001

**General Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**



# FICHE DE DONNÉES DE SÉCURITÉ

Date d'émission 5 janvier 2015

Date de révision Nouvelle

Numéro de révision 0

## 1. IDENTIFICATION DE LA SUBSTANCE/DE LA PRÉPARATION ET DE LA SOCIÉTÉ/L'ENTREPRISE

### Identificateur de produit

Nom du produit Serviettes désinfectantes Clorox® - Fraîcheur lavande

### Autres moyens d'identification

Numéro d'identification du médicament 02246233

### Usage recommandé et restrictions d'utilisation du produit chimique

Usage recommandé Serviettes désinfectantes humides

Utilisations déconseillées Aucune information disponible

### Données relatives au fournisseur de la fiche de données de sécurité

#### **Adresse du fournisseur**

The Clorox Company of Canada Ltd.  
150 Biscayne Crescent  
Brampton, Ontario L6W 4V3

Téléphone : 1 905 595-8200

### Numéro de téléphone d'urgence

Numéros de téléphone d'urgence En cas d'urgence médicale, appeler le : 1 800 446-1014  
Pour des urgences en matière de transport, appeler Chemtrec : 1 800 424-9300

## 2. IDENTIFICATION DES DANGERS

### Classification

Ce produit n'est pas considéré comme dangereux selon le SGH.

### Éléments d'étiquetage SGH, y compris les conseils de prudence

#### Vue d'ensemble des procédures d'urgence

Ce produit n'est pas considéré comme dangereux selon le SGH.

**Apparence** Transparent, liquide incolore absorbé dans des serviettes non tissées blanches

**État physique** Liquide fluide absorbé dans des serviettes non tissées

**Odeur** Aromatique, lavande

### Conseils de prudence - Prévention

Aucun

### Conseils de prudence - Réaction

Aucun

### Conseils de prudence - Stockage

Aucun

### Conseils de prudence - Élimination

Aucun

### Dangers non classés ailleurs (DNCA)

Sans objet

### Toxicité inconnue

21,5 % du mélange est constitué d'ingrédients de toxicité inconnue

### Autres informations

Aucune information disponible

### Interactions avec d'autres produits chimiques

Aucune information disponible.

## 3. COMPOSITION / INFORMATION SUR LES COMPOSANTS

Nom chimique	CAS n°	% en poids	Secret commercial
Éther monohexylique d'éthylèneglycol	112-25-4	1 - 5	*
Chlorure d'ammonium n-alkyl (68 % C <sub>12</sub> , 32 % C <sub>14</sub> ) diméthyléthylbenzylique	85409-23-0	0,1 - 0,2	*
Chlorure d'ammonium n-alkyl (5 % C <sub>12</sub> , 60 % C <sub>14</sub> , 30 % C <sub>16</sub> , 5 % C <sub>18</sub> ) diméthylbenzylique	53516-76-0	0,1 - 0,2	*

\* Le pourcentage (concentration) exact de composition est retenu comme un secret commercial.



## 4. PREMIERS SOINS

### Premiers soins

<b>Conseils généraux</b>	Présentez cette fiche signalétique au médecin traitant.
<b>Contact avec les yeux</b>	Tenir les yeux ouverts et rincer lentement et doucement avec de l'eau pendant 15 à 20 minutes. S'il y a lieu, retirer les verres de contact après les cinq premières minutes de rinçage, et continuer ensuite le rinçage des yeux. Communiquer avec un centre antipoison ou un médecin pour connaître le traitement approprié ultérieur.
<b>Contact avec la peau</b>	Rincer la peau avec beaucoup d'eau. Si l'irritation persiste, appeler un médecin.
<b>Inhalation</b>	Déplacer à l'air frais. En cas de problèmes respiratoires, appeler un médecin.
<b>Ingestion</b>	Boire un verre d'eau. Appeler un médecin ou un centre antipoison.

### Symptômes/effets les plus importants, aigus et retardés

<b>Symptômes/effets les plus importants</b>	Le liquide peut causer une irritation des yeux.
---	---

### Indications quant à la nécessité éventuelle d'une prise en charge médicale immédiate ou d'un traitement spécial

<b>Notes au médecin</b>	Traiter en fonction des symptômes.
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## 5. MESURES À PRENDRE EN CAS D'INCENDIE

### Agents extincteurs appropriés

Utiliser des mesures d'extinction appropriées aux circonstances locales et à l'environnement immédiat.

### Agents extincteurs inappropriés

ATTENTION : L'utilisation d'une pulvérisation d'eau pour combattre un incendie peut ne pas être efficace.

### Dangers spécifiques du produit

#### **Produits de combustion dangereux**

Oxydes de carbone.

### Données sur les risques d'explosion

**Sensibilité à un choc mécanique** Non.

**Sensibilité à une décharge statique** Non.

### Équipement de protection et précautions pour les pompiers

Comme avec tout incendie, porter un appareil respiratoire autonome à demande de pression, MSHA/NIOSH (homologué ou équivalent) et une tenue de protection complète.

## 6. MESURES À PRENDRE EN CAS DE DÉVERSEMENTS ACCIDENTELS

### Précautions individuelles, équipements de protection et mesures d'urgence

**Précautions individuelles** Éviter le contact avec les yeux.

**Autres informations** Consulter les mesures de protection données aux sections 7 et 8.

### Précautions relatives à l'environnement

**Précautions relatives à l'environnement** Consulter la section 12 pour des données écologiques supplémentaires.

### Méthodes et matériaux pour l'isolation et le nettoyage

**Méthodes d'isolation** Empêcher d'autres fuites ou déversements lorsqu'il est possible de le faire en toute sécurité.

**Méthodes de nettoyage** Conteneuriser. Laver les résidus et les envoyer à un égout sanitaire. Contacter une installation de traitement sanitaire à l'avance pour s'assurer de sa capacité à traiter le matériel emporté.

## 7. MANUTENTION ET STOCKAGE

### Précautions relatives à la sécurité de manutention

**Manutention** Manipuler conformément aux bonnes pratiques de sécurité et d'hygiène industrielle. Éviter tout contact avec les yeux, la peau et les vêtements. Ne pas manger, boire ou fumer en manipulant le produit.

### Conditions de sécurité de stockage, y compris les incompatibilités

**Entreposage** Conserver les récipients bien fermés dans un endroit sec, frais et bien ventilé.

**Produits incompatibles** Aucun connu.

## 8. CONTRÔLE DE L'EXPOSITION/PROTECTION INDIVIDUELLE

### Paramètres de contrôle

#### Directives relatives à l'exposition

Nom chimique	ACGIH TLV	OSHA PEL	NIOSH IDLH
Éther monohexylique d'éthylène glycol 112-25-4	Aucun	Aucun	Aucun
Chlorure d'ammonium n-alkyl (68 % C <sub>12</sub> , 32 % C <sub>14</sub> ) diméthyléthylbenzylique 85409-23-0	Aucun	Aucun	Aucun
Chlorure d'ammonium n-alkyl (5 % C <sub>12</sub> , 60 % C <sub>14</sub> , 30 % C <sub>16</sub> , 5 % C <sub>18</sub> ) diméthylbenzylique 53516-76-0	Aucun	Aucun	Aucun

ACGIH TLV : Conférence américaine des hygiénistes industriels gouvernementaux - valeur limite d'exposition. OSHA PEL : Administration de la sécurité et de la santé professionnelle - limites d'exposition admissibles. NIOSH IDLH : Dangereux immédiatement pour la santé ou la vie.

**Contrôles d'ingénierie appropriés**

<b>Mesures techniques</b>	Douches Douches oculaires Systèmes de ventilation
---------------------------	---

**Mesures de protection individuelle telles que les équipements de protection individuelle**

<b>Protection des yeux/du visage</b>	Aucun équipement de protection particulier requis.
<b>Protection de la peau et du corps</b>	Aucun équipement de protection particulier requis.
<b>Protection respiratoire</b>	Aucun équipement de protection n'est requis dans des conditions normales d'utilisation. En cas d'irritation, une ventilation et une évacuation peuvent se révéler nécessaires.
<b>Mesures d'hygiène</b>	Manipuler conformément aux bonnes pratiques de sécurité et d'hygiène industrielle.

**9. PROPRIÉTÉS PHYSIQUES ET CHIMIQUES****Propriétés physiques et chimiques**

<b>État physique</b>	Liquide fluide absorbé dans des serviettes non tissées		
<b>Apparence</b>	Liquide transparent absorbé dans des serviettes non tissées	<b>Odeur</b>	Aromatique, lavande
<b>Couleur</b>	Liquide incolore - serviettes non tissées blanches	<b>Seuil olfactif</b>	Aucune information disponible

<b><u>Propriété</u></b>	<b><u>Valeurs</u></b>	<b><u>Remarques / Méthode</u></b>
<b>pH</b>	6 - 9 (liquide)	Aucune connue
<b>Point de fusion/point de congélation</b>	Aucune donnée disponible	Aucune connue
<b>Point d'ébullition / Domaine d'ébullition</b>	Aucune donnée disponible	Aucune connue
<b>Point d'éclair</b>	Aucune donnée disponible	Aucune connue
<b>Taux d'évaporation</b>	Aucune donnée disponible	Aucune connue
<b>Inflammabilité (solide, gaz)</b>	Aucune donnée disponible	Aucune connue
<b>Limites d'inflammabilité dans l'air</b>		
<b>Limite supérieure d'inflammabilité</b>	Aucune donnée disponible	Aucune connue
<b>Limite inférieure d'inflammabilité</b>	Aucune donnée disponible	Aucune connue
<b>Tension de vapeur</b>	Aucune donnée disponible	Aucune connue
<b>Densité de la vapeur</b>	Aucune donnée disponible	Aucune connue
<b>Densité</b>	~ 1,0 (liquide)	Aucune connue
<b>Solubilité dans l'eau</b>	Complète (liquide)	Aucune connue
<b>Solubilité dans d'autres solvants</b>	Aucune donnée disponible	Aucune connue
<b>Coefficient de partage : n-octanol/eau</b>	Aucune donnée disponible	Aucune connue
<b>Température d'auto-inflammation</b>	Aucune donnée disponible	Aucune connue
<b>Température de décomposition</b>	Aucune donnée disponible	Aucune connue
<b>Viscosité cinématique</b>	Aucune donnée disponible	Aucune connue
<b>Viscosité dynamique</b>	Aucune donnée disponible	Aucune connue
<b>Propriétés explosives</b>	Non explosif	
<b>Propriétés comburantes</b>	Aucune donnée disponible	
<b><u>Autres informations</u></b>		
<b>Point de ramollissement</b>	Aucune donnée disponible	
<b>Teneur en COV (%)</b>	Aucune donnée disponible	
<b>Dimension des particules</b>	Aucune donnée disponible	
<b>Distribution granulométrique</b>	Aucune donnée disponible	

## 10. STABILITÉ ET RÉACTIVITÉ

### Réactivité

Aucune donnée disponible.

### Stabilité chimique

Stable dans les conditions de stockage recommandées.

### Risque de réactions dangereuses

Aucun dans des conditions normales de traitement.

### Conditions à éviter

Aucune connue selon les renseignements fournis.

### Matériaux incompatibles

Aucun connu.

### Produits de décomposition dangereux

Aucun connu.

## 11. DONNÉES TOXICOLOGIQUES

### Les voies d'exposition probables

#### Renseignements sur le produit

<b>Inhalation</b>	Une exposition aux vapeurs ou à la brume peut irriter les voies respiratoires.
<b>Contact avec les yeux</b>	Le liquide peut causer une irritation.
<b>Contact avec la peau</b>	Le liquide peut causer une légère irritation.
<b>Ingestion</b>	Une ingestion du liquide peut provoquer une légère irritation des muqueuses et du tractus gastro-intestinal.

#### Informations sur les composants

Nom chimique	DL <sub>50</sub> orale	DL <sub>50</sub> cutanée	CL <sub>50</sub> par inhalation
Éther monohexylique d'éthylèneglycol 112-25-4	739 mg/kg (rat)	721 mg/kg (lapin)	> 0,5 mg/l (rat, 4 h)

### Informations sur les effets toxicologiques

**Symptômes** Le liquide peut causer une rougeur et un larmolement des yeux.

### Les effets retardés et immédiats ainsi que les effets chroniques dus à une exposition à court et long terme

<b>Sensibilisation</b>	Aucune information disponible.
<b>Effets mutagènes</b>	Aucune information disponible.
<b>Cancérogénicité</b>	Aucun des ingrédients de ce produit ne se trouve sur la liste des cancérogènes du CIRC, de l'OSHA ou du NTP.
<b>Toxicité pour la reproduction</b>	Aucune information disponible.

<b>Toxicité pour certains organes cibles - exposition unique</b>	Aucune information disponible.
<b>Toxicité pour certains organes cibles - exposition répétée</b>	Aucune information disponible.
<b>Toxicité chronique</b>	Effet inconnu selon les renseignements fournis.
<b>Effets sur les organes cibles</b>	Appareil respiratoire, yeux, peau, tractus gastro-intestinal (GI).
<b>Danger par aspiration</b>	Aucune information disponible.

### **Valeurs numériques de la toxicité - Information sur le produit**

#### **ETAmél (orale)**

40,1 g/kg

#### **ETAmél (cutanée)**

59,8 g/kg

## **12. DONNÉES ÉCOLOGIQUES**

### **Écotoxicité**

Aucune information disponible.

### **Persistence et dégradation**

Aucune information disponible.

### **Bioaccumulation**

Aucune information disponible.

### **Autres effets nocifs**

Aucune information disponible.

## **13. DONNÉES SUR L'ÉLIMINATION DU PRODUIT**

### **Méthodes d'élimination**

Éliminer conformément à tous les règlements fédéraux, provinciaux et locaux existants sur l'environnement.

### **Récipients contaminés**

Ne pas réutiliser les récipients vides. Éliminer conformément à tous les règlements fédéraux, provinciaux et locaux existants sur l'environnement.

## **14. INFORMATIONS RELATIVES AU TRANSPORT**

<b><u>DOT</u></b>	Non réglementé.
<b><u>TMD</u></b>	Non réglementé.
<b><u>OACI</u></b>	Non réglementé.
<b><u>IATA</u></b>	Non réglementé
<b><u>IMDG/OMI</u></b>	Non réglementé

## 15. INFORMATIONS SUR LA RÉGLEMENTATION

### Inventaire de produits chimiques

**TSCA** Tous les composants de ce produit sont soit inscrits sur l'inventaire TSCA 8(b) ou sont autrement exempts d'inscription.

**LIS/LES** Tous les composants sont inscrits dans la LIS ou la LES.

**TSCA** - États-Unis - Section 8(b) de l'inventaire TSCA (loi réglementant les substances toxiques)  
**LIS/LES** – Liste intérieure des substances/liste extérieure des substances pour le Canada

### Réglementation canadienne

**Classe de dangers du SIMDUT**  
 D2B Matières toxiques



## 16. AUTRES INFORMATIONS

**NFPA** Risque pour la santé 1 Inflammabilité 0 Instabilité 0 Dangers physiques et chimiques -

**HMIS** Risque pour la santé 1 Inflammabilité 0 Danger physique 0 Protection individuelle A

**Préparée par** Product Stewardship  
 23 British American Blvd.  
 Latham, NY 12110  
 1 800 572-6501

**Date de préparation/révision** 5 janvier 2015

**Note de révision** Nouvelle

**Référence** 1073886-A/174197.001

### Avis de non-responsabilité général

À notre connaissance et selon nos renseignements et notre opinion à la date de publication de cette fiche signalétique, les renseignements fournis dans cette dernière sont exacts. Les renseignements donnés sont conçus uniquement comme un guide pour la manipulation, l'utilisation, le traitement, l'entreposage, le transport, l'élimination et le rejet sécuritaires du produit et ne doivent pas être considérés comme une garantie ou une norme de qualité. Les renseignements sont liés uniquement au produit particulier indiqué et peuvent ne pas être valides pour un tel produit utilisé en association avec toute autre substance ou dans tout autre procédé, sauf si indiqué dans le texte.

**Fin de la fiche signalétique**



# SAFETY DATA SHEET

Issuing Date January 5, 2015

Revision Date New

Revision Number 0

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product Name Clorox® Disinfecting Wipes<sub>1</sub> - Fresh Scent

### Other means of identification

EPA Registration Number 5813-79

### Recommended use of the chemical and restrictions on use

Recommended use Moistened disinfecting wipes

Uses advised against No information available

### Details of the supplier of the safety data sheet

#### **Supplier Address**

The Clorox Company  
1221 Broadway  
Oakland, CA 94612

Phone: 1-510-271-7000

### Emergency telephone number

#### **Emergency Phone Numbers**

For Medical Emergencies call: 1-800-446-1014

For Transportation Emergencies, call Chemtrec: 1-800-424-9300

**2. HAZARDS IDENTIFICATION**

**Classification**

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

**GHS Label elements, including precautionary statements**

**Emergency Overview**

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).		
<b>Appearance</b> Clear, colorless liquid absorbed into white, non-woven wipes	<b>Physical State</b> Thin liquid absorbed into non-woven wipes	<b>Odor</b> Fruity, apple, floral

**Precautionary Statements - Prevention**

None

**Precautionary Statements - Response**

None

**Precautionary Statements - Storage**

None

**Precautionary Statements - Disposal**

None

**Hazards not otherwise classified (HNOC)**

Not applicable

**Unknown Toxicity**

21.5% of the mixture consists of ingredient(s) of unknown toxicity

**Other information**

No information available

**Interactions with Other Chemicals**

No information available.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Weight %	Trade Secret
Ethylene glycol monoethyl ether	112-25-4	1 - 5	*
n-Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	85409-23-0	0.1 - 0.2	*
n-Alkyl (5% C12, 60% C14, 30% C16, 5% C18) dimethyl benzyl ammonium chloride	53516-76-0	0.1 - 0.2	*

\* The exact percentage (concentration) of composition has been withheld as a trade secret.



## 4. FIRST AID MEASURES

### First aid measures

<b>General Advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Eye Contact</b>	Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. If present, remove contact lenses after the first 5 minutes of rinsing, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.
<b>Skin Contact</b>	Rinse skin with plenty of water. If irritation persists, call a doctor.
<b>Inhalation</b>	Move to fresh air. If breathing problems develop, call a doctor.
<b>Ingestion</b>	Drink a glassful of water. Call a doctor or poison control center.

### Most important symptoms and effects, both acute and delayed

<b>Most Important Symptoms and Effects</b>	Liquid may cause eye irritation.
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### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### Unsuitable Extinguishing Media

CAUTION: Use of water spray when fighting fire may be inefficient.

### Specific Hazards Arising from the Chemical

#### **Hazardous Combustion Products**

Oxides of carbon.

#### **Explosion Data**

**Sensitivity to Mechanical Impact** No.

**Sensitivity to Static Discharge** No.

#### **Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions**                      Avoid contact with eyes.

**Other Information**                      Refer to protective measures listed in Sections 7 and 8.

**Environmental precautions**

**Environmental Precautions**              See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for Containment**              Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up**              Containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Handling**                                      Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin, and clothing. Do not eat, drink, or smoke when using this product.

**Conditions for safe storage, including any incompatibilities**

**Storage**                                        Keep containers tightly closed in a dry, cool, and well-ventilated place.

**Incompatible Products**                  None known.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethylene glycol monoethyl ether 112-25-4	None	None	None
n-Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride 85409-23-0	None	None	None
n-Alkyl (5% C12, 60% C14, 30% C16, 5% C18) dimethyl benzyl ammonium chloride 53516-76-0	None	None	None

*ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.*

**Appropriate engineering controls**

**Engineering Measures**                      Showers  
    Eyewash stations  
    Ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection**                      No special protective equipment required.

**Skin and Body Protection**                No special protective equipment required.

**Respiratory Protection**                  No protective equipment is needed under normal use conditions. If irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures**                        Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical and Chemical Properties**

<b>Physical State</b>	Thin liquid absorbed into non-woven wipes		
<b>Appearance</b>	Clear liquid absorbed into non-woven wipes	<b>Odor</b>	Fruity, apple, floral
<b>Color</b>	Colorless liquid - white non-woven wipes	<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	6 - 9 (liquid)	None known
Melting/freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
Upper flammability limit	No data available	None known
Lower flammability limit	No data available	None known
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	~1.0 (liquid)	None known
Water Solubility	Complete (liquid)	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive Properties	Not explosive	
Oxidizing Properties	No data available	

**Other Information**

<b>Softening Point</b>	No data available
<b>VOC Content (%)</b>	No data available
<b>Particle Size</b>	No data available
<b>Particle Size Distribution</b>	No data available



<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Chronic Toxicity</b>	No known effect based on information supplied.
<b>Target Organ Effects</b>	Respiratory system, eyes, skin, gastrointestinal tract (GI).
<b>Aspiration Hazard</b>	No information available.

**Numerical measures of toxicity - Product Information****ATEmix (oral)**

40.1 g/kg

**ATEmix (dermal)**

59.8 g/kg

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

No information available.

**Persistence and Degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available.

**13. DISPOSAL CONSIDERATIONS****Disposal methods**

Dispose of in accordance with all applicable federal, state, and local regulations.

**Contaminated Packaging**

Do not reuse empty containers. Dispose of in accordance with all applicable federal, state, and local regulations.

**14. TRANSPORT INFORMATION**

<b><u>DOT</u></b>	Not regulated.
<b><u>TDG</u></b>	Not regulated.
<b><u>ICAO</u></b>	Not regulated.
<b><u>IATA</u></b>	Not regulated
<b><u>IMDG/IMO</u></b>	Not regulated

## 15. REGULATORY INFORMATION

### Chemical Inventories

**TSCA** All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.

**DSL/NDSL** All components are on the DSL or NDSL.

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

### U.S. Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical which is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS No.	Weight %	Threshold Value (%)
Ethylene glycol monohexyl ether	112-25-4	1 - 5	1.0

#### **SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

#### **CWA (Clean Water Act)**

This product does not contain any substances that are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### **CERCLA**

This product does not contain any substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

#### **EPA Statement**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.



# Material Safety Data Sheet

Product code: JJCUSCICP

Revision date: 03-28-2012

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Supplier:**

Johnson and Johnson Consumer Companies, Inc.  
199 Grandview Road  
Skillman, NJ  
08558-9418

**Customer service telephone:** 1-800-526-3967

**Emergency telephone number:** For 24-hour emergency assistance, call the 3E Company at 1 (877) 236-9871. Provide the technician with the following product tracking code: 2277.

**Product name:** Coach Instant Cold Pack  
**Synonyms:** Johnson's® Instant Cold Pack  
**Product code:** JJCUSCICP  
**Identified use:** For external use only.

## 2. HAZARDS IDENTIFICATION

**Emergency overview:** This product formulation contains no ingredients at their given percentages that are considered hazardous to your health.

**Properties affecting health:** There are no known properties to affect one's health.

This material is not a controlled product under WHMIS

**Principle routes of exposure:**

**Eye Contact:** Contact with eyes may cause irritation.  
**Skin contact:** No effects expected.  
**Ingestion:** Not Available  
**Inhalation:** Not Available

**Physico-chemical properties:** No hazards resulting from the material as supplied.

**Hazard information:**

**Target Organ(s)** No significant organ toxicity expected.  
**Reproductive effects:** No effects expected.  
**Mutagenic effects:** No effects expected.  
**Sensitization:** Sensitization is not expected.

**Signs and symptoms:** None.

**Medical conditions aggravated by exposure:** None known.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product formulation contains no ingredients at their given percentages that are considered hazardous to your health.  
**Hazardous Components**

## 4. FIRST AID MEASURES

**Eye contact:** In the case of contact with eyes, rinse immediately with plenty of water for 15 minutes and seek medical attention.



**Skin contact:** In the case of skin irritation or allergic reactions see a physician.  
**Ingestion:** If ingested, seek medical attention immediately and show the label.  
**Inhalation:** Move to fresh air immediately. If experiencing difficulty breathing, seek medical attention.  
**Protection of first-aiders:** Wear suitable gloves and eye/face protection.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Use any extinguishing media which is suitable for the surrounding fire.  
**Extinguishing media which must not be used for safety reasons:** None.  
**Special protective equipment for firefighters:** Wear a self-contained breathing apparatus and full protective gear.  
**Specific methods:** None.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Ensure adequate ventilation.  
**Environmental precautions:** No special environmental precautions required.  
**Methods for cleaning up:** Wipe up with absorbent material (e.g. cloth, fleece).

## 7. HANDLING AND STORAGE

**Handling:**  
**Technical measures/precautions:** No special technical protective measures required.  
**Safe handling advice:** None under normal processing.  
**Storage:**  
**Technical measures/storage conditions:** Keep out of reach of children.  
**Incompatible products:** No special restrictions on storage with other products.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering controls:** Ensure adequate ventilation.  
**Personal protective equipment**  
**Eye protection:** Eye and face protection recommended when manufacturing product.  
**Hand protection:** Protective gloves recommended when manufacturing product.  
**Skin and body protection:** Wear suitable protective clothing. Wear suitable gloves and eye/face protection.  
**Respiratory protection:** None required.  
**Other/general protection:** None required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General Information

**Physical state:** Solid, Liquid  
**Appearance:** Sealed plastic bag containing water

### Important Health Safety and Environmental Information

**Flash point:** Not determined.                      **Boiling point/range:** No information available.  
**pH:** Not applicable                                      **Water solubility:** Soluble

## Other information

**Explosivity:** None.

## **10. STABILITY AND REACTIVITY**

**Chemical stability:** Stable under recommended storage conditions.  
**Materials to avoid:** None known.  
**Conditions to avoid:** None known.  
**Hazardous polymerization:** Hazardous polymerization does not occur.

## **11. TOXICOLOGICAL INFORMATION**

### Acute toxicity

**Eye contact** Not available.

**Skin contact** Not available.

**Ingestion** Not available.

**Inhalation** Not available.

### Sub-Chronic/Chronic Toxicity

No repeat dose data available.

### Specific effects

**Target Organ(s)** No significant organ toxicity expected.

**Reproductive effects** Not available.

**Developmental effects** Not available.

**Carcinogenic effects** Not expected to be carcinogenic.

**Genotoxic effects** Not available.

## **12. ECOLOGICAL INFORMATION**

### Ecotoxicity

**Ecotoxicity effects:** This product has no known eco-toxicological effects.

**Aquatic toxicity effects:** This product has no known aquatic toxicological effects.

## **13. DISPOSAL CONSIDERATIONS**

### 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:**

Waste disposal must be in accordance with appropriate US, Federal, State and International regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

**Contaminated packaging:**

None.

### 14. TRANSPORT INFORMATION

Product not regulated by DOT, IATA/ICAO, IMO/IMDG, ADR/RID, or TDG.

### 15. REGULATORY INFORMATION

**SARA (311, 312) hazard class**

<b>Immediate health:</b>	None.
<b>Delayed health:</b>	None.
<b>Fire:</b>	None.
<b>Sudden Release of Pressure Hazard:</b>	None.
<b>Reactivity:</b>	None.

**State Regulations**

**International Inventories**

**WHMIS:**

<b>WHMIS trade secret:</b>	None.
<b>WHMIS hazard class:</b>	None.

**Notes:**

1. SARA = Superfund Amendments and the Reauthorization Act.
2. CERCLA = Comprehensive Environmental Response, Compensations and Liability Act.
3. FIFRA = Federal Insecticide, Fungicide and Rodenticide Act.
4. TSCA = Toxic Substance Control Act.
5. WHMIS = Canadian Workplace Hazardous Materials Information System.
6. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

### 16. OTHER INFORMATION

**This data sheet contains changes from the previous version in section(s):**

None.

**MSDS format:**

- North American Format - U.S. and Canada  
This Material Safety Data Sheet was prepared in accordance with ANSI Z400.1-2004.

**Disclaimer:**

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**End of Safety Data Sheet**

# SAFETY DATA SHEET

44-26200

## Section 1. Identification

**Product name** : Color Style® Premium Interior Latex Semi-Gloss Enamel White  
**Product code** : 44-26200  
**Other means of identification** : Not available.  
**Product type** : Liquid.

### Relevant identified uses of the substance or mixture and uses advised against

Not applicable.

**Manufacturer** : Valspar  
101 W. Prospect Avenue  
Cleveland, OH 44115

**Emergency telephone number of the company** : (800) 424-9300

**Product Information Telephone Number** : Not available.

**Regulatory Information Telephone Number** : (216) 566-2902

**Transportation Emergency Telephone Number** : (800) 424-9300

## Section 2. Hazards identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** : CARCINOGENICITY - Category 2

Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 18.7%  
Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 18.7%  
Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 18.7%

### GHS label elements

**Hazard pictograms** :



**Signal word** : Warning

**Hazard statements** : Suspected of causing cancer.

### Precautionary statements

**General** : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

**Prevention** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing.

**Response** : IF exposed or concerned: Get medical attention.

**Storage** : Store locked up.

**Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Date of issue/Date of revision** : 5/29/2018 **Date of previous issue** : 4/20/2018 **Version** : 2.02 1/10  
44-26200 Color Style® Premium Interior Latex Semi-Gloss Enamel White **SHW-85-NA-GHS-US**

## Section 2. Hazards identification

### Supplemental label elements

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.

### Hazards not otherwise classified

: None known.

## Section 3. Composition/information on ingredients

### Substance/mixture

: Mixture

### Other means of identification

: Not available.

### CAS number/other identifiers

Ingredient name	% by weight	CAS number
Titanium Dioxide	≥10 - ≤25	13463-67-7
Calcium Carbonate	<10	1317-65-3
Paraffin Oil	<1	8012-95-1

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.**

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

#### Eye contact

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

#### Inhalation

: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

#### Skin contact

: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

#### Ingestion

: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

##### Eye contact

: No known significant effects or critical hazards.

##### Inhalation

: No known significant effects or critical hazards.

##### Skin contact

: No known significant effects or critical hazards.

##### Ingestion

: No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

##### Eye contact

: No specific data.

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: 5/29/2018

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: 4/20/2018

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White

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## Section 4. First aid measures

- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

**Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
metal oxide/oxides

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

## Section 6. Accidental release measures

- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits (OSHA United States)

<b>Ingredient name</b>	<b>Exposure limits</b>
Titanium Dioxide	<b>ACGIH TLV (United States, 3/2017).</b> TWA: 10 mg/m <sup>3</sup> 8 hours.
Calcium Carbonate	<b>OSHA PEL (United States, 6/2016).</b> TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust <b>NIOSH REL (United States, 10/2016).</b> TWA: 5 mg/m <sup>3</sup> 10 hours. Form: Respirable fraction TWA: 10 mg/m <sup>3</sup> 10 hours. Form: Total <b>OSHA PEL (United States, 6/2016).</b> TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust
Paraffin Oil	<b>ACGIH TLV (United States, 3/2017).</b> TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction <b>OSHA PEL (United States, 6/2016).</b> TWA: 5 mg/m <sup>3</sup> 8 hours. <b>NIOSH REL (United States, 10/2016).</b> TWA: 5 mg/m <sup>3</sup> 10 hours. STEL: 10 mg/m <sup>3</sup> 15 minutes.

#### Occupational exposure limits (Canada)

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## Section 8. Exposure controls/personal protection

Ingredient name	Exposure limits
None.	

### Occupational exposure limits (Mexico)

Ingredient name	Exposure limits
None.	

- Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### Appearance

- Physical state** : Liquid.
- Color** : Not available.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : 9
- Melting point/freezing point** : Not available.
- Boiling point/boiling range** : 100°C (212°F)

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## Section 9. Physical and chemical properties

**Flash point** : Closed cup: 96°C (204.8°F) [Pensky-Martens Closed Cup]  
**Evaporation rate** : 0.09 (butyl acetate = 1)  
**Flammability (solid, gas)** : Not available.  
**Lower and upper explosive (flammable) limits** : Not available.  
**Vapor pressure** : 2.3 kPa (17.5 mm Hg) [at 20°C]  
**Vapor density** : 1 [Air = 1]  
**Relative density** : 1.2  
**Solubility** : Not available.  
**Partition coefficient: n-octanol/water** : Not available.  
**Auto-ignition temperature** : Not available.  
**Decomposition temperature** : Not available.  
**Viscosity** : Kinematic (40°C (104°F)): >0.205 cm<sup>2</sup>/s (>20.5 cSt)  
**Molecular weight** : Not applicable.  
**Aerosol product**  
**Heat of combustion** : 0.854 kJ/g

## Section 10. Stability and reactivity

**Reactivity** : No specific test data related to reactivity available for this product or its ingredients.  
**Chemical stability** : The product is stable.  
**Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.  
**Conditions to avoid** : No specific data.  
**Incompatible materials** : No specific data.  
**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Paraffin Oil	LD50 Oral	Rat	>24 g/kg	-

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium Dioxide	Skin - Mild irritant	Human	-	72 hours 300 Micrograms Intermittent	-
Paraffin Oil	Eyes - Mild irritant	Rabbit	-	1 hours 100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	500 milligrams	-
	Skin - Mild irritant	Guinea pig	-	24 hours 100 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 100 milligrams	-

## Section 11. Toxicological information

### Sensitization

Not available.

### Mutagenicity

Not available.

### Carcinogenicity

Not available.

### Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide	-	2B	-

### Reproductive toxicity

Not available.

### Teratogenicity

Not available.

### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Calcium Carbonate	Category 3	Not applicable.	Respiratory tract irritation

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Name	Result
Paraffin Oil	ASPIRATION HAZARD - Category 1

**Information on the likely routes of exposure** : Not available.

### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : No specific data.  
**Inhalation** : No specific data.  
**Skin contact** : No specific data.  
**Ingestion** : No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

**Potential chronic health effects**

Not available.

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

**Numerical measures of toxicity**

**Acute toxicity estimates**

Not available.

## Section 12. Ecological information

**Toxicity**

Product/ingredient name	Result	Species	Exposure
Titanium Dioxide	Acute LC50 >1000000 µg/l Marine water	Fish - Fundulus heteroclitus	96 hours
Paraffin Oil	Acute EC50 21 ppb Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 >100 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours

**Persistence and degradability**

Not available.

**Bioaccumulative potential**

Not available.

**Mobility in soil**

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
<b>UN number</b>	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
<b>UN proper shipping name</b>	-	-	-	-	-
<b>Transport hazard class(es)</b>	-	-	-	-	-
<b>Packing group</b>	-	-	-	-	-
<b>Environmental hazards</b>	No.	No.	No.	No.	No.
<b>Additional information</b>	-	-	-	-	-

**Special precautions for user :** Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

**Transport in bulk according to Annex II of MARPOL and the IBC Code :** Not available.

**Proper shipping name :** Not available.  
**Ship type :** Not available.  
**Pollution category :** Not available.

## Section 15. Regulatory information

**TSCA 5(a)2 proposed significant new use rules:** 5-Chloro-2-methylisothiazolinone

**SARA 313**

SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

**California Prop. 65**

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## Section 16. Other information

**Hazardous Material Information System (U.S.A.)**

<b>Health</b>	*	2
<b>Flammability</b>		0
<b>Physical hazards</b>		0

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

## Section 16. Other information

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

### [Procedure used to derive the classification](#)

Classification	Justification
CARCINOGENICITY - Category 2	Calculation method

### [History](#)

**Date of printing** : 5/29/2018

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**Key to abbreviations** : ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

### [Notice to reader](#)

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by Sherwin-Williams, including but not limited to the incorporation of non Sherwin-Williams products or the use or addition of products in proportions not specified by Sherwin-Williams. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

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167-8910-  
167-8920  
167-8930

**MATERIAL SAFETY DATA SHEET**

Preparation Date: February 15, 2000

**SECTION I - MATERIAL IDENTIFICATION**

**MANUFACTURED BY:** Demco  
Madison, WI 53704

**EMERGENCY NUMBER:** 608-241-1201

**PRODUCT CLASS:** Soap

**MANUFACTURERS CODE:** 16789100

**HMIS:** Health 1      **Flammability:** 0      **Reactivity:** 0

**SECTION II - HAZARDOUS INGREDIENT**

INGREDIENT	CAS NO.	PERCENT	TVL
Sodium Carbonate	497-19-8	<30%	N/A

**SECTION III - PHYSICAL DATA**

**BOILING POINT:** 100°C

**VAPOR DENSITY:** N/A

**EVAPORATION RATE H<sub>2</sub>O= 1:** N/A

**SPEC. GRAV. (H<sub>2</sub>O=1):** >1

**MELTING POINT:** N/A

**SOLUBILITY IN WATER:** Readily Soluble

**APPEARANCE AND ODOR:** Opalescent Liquid/Soapy Odor

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AUG 20 2002  
RISK MANAGEMENT

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**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT:** N/A

**FLAMMABILITY CLASSIFICATION:** N/A

**AUTOIGNITION TEMPERATURE:** N/A

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None Known

**EXTINGUISHING MEDIA:** Water, Carbon Dioxide, Dry Chemical Foam.

**SPECIAL FIRE FIGHTING PROCEDURES:** None Known

**SECTION V - REACTIVITY DATA**

**STABILITY:**  
Stable at ambient temperatures. Coagulation may occur following freezing, thawing or boiling.

**HAZARDOUS POLYMERIZATION:** Will not occur

**SECTION VI - SPILL OR LEAK PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

If material is released or spilled, dam up to limit spreading. Mop up or absorb on inert material and place in containers. If spill occurs in enclosed area, ventilate.

**WASTE, DISPOSAL METHOD:**

Dispose of in accordance with Local, State, and Federal Regulations.

**SECTION VII - HEALTH HAZARD DATA**

**THRESHOLD LIMIT VALUE:**

Has not been established

**EFFECTS OF OVEREXPOSURE AND FIRST AID PROCEDURES:**

**Eye Contact:**

This material may be irritating to eyes:  
Flush eye with water for at least 15 minutes. Consult a Physician if the irritation persists.

**Skin:**

Discontinue use, apply cold compress to relieve irritation.

**Inhalation:**

Inhalation of vapors may cause irritation in the respiratory track:  
Remove to fresh air.

**Ingestion:**

Treat symptomatically. Contact physician

**SECTION VIII - SPECIAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION:**

Not necessary

**PROTECTIVE GLOVES:**

Plastic or Rubber gloves for prolonged exposure.

**EYE PROTECTION:**

None required with normal use.

**OTHER PROTECTIVE WEAR:**

None required with normal use.

**VENTILATION:**

General ventilation is recommended during normal use.



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**SECTION IX - SPECIAL PRECAUTIONS**

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**PRECAUTION TO BE TAKEN IN HANDLING AND STORING:**

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**SECTION X - ADDITIONAL INFORMATION**

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**EPA SARA TITLE III HAZARD CLASS:** None

**OSHA HCS HAZARD CLASS:** (29CFR.910.1200) None

**EPA SARA TITLE SECTION 313 (40CFR372) TOXIC CHEMICAL PRESENT IN QUANTITIES GREATER THAN THE "DE MINIMIS" LEVEL ARE:** None

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**DISCLAIMER OF LIABILITY**

The information in this MSDS was obtained from sources we believe are reliable. However, the information is provided without any representation or warranty, expressed or implied, regarding its accuracy or correctness.

The conditions or methods handling, storage, use and disposal of this product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

13-Jul-2016

## 1. IDENTIFICATION

**Product identifier**

**Product Name** DG Home Furniture Polish Lemon Scent

**Other means of identification**

**Product UPC** 59647-51064  
**Product Code** 30258510271  
**UN/ID no.** 1950

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Consumer use. Furniture polish.  
**Uses advised against** No information available

**Details of the supplier of the safety data sheet**

<b>Manufacturer Address</b>	<b>Distributor</b>
KIK International LLC	Dolgencorp, LLC
33 Macintosh Blvd.	100 Mission Ridge
Concord, Ontario	Goodlettsville, TN 37072
Canada L4K 4L5	1-888-309-9030
1-800-479-6603	

**Emergency telephone number**

**Emergency Telephone** Poison Control Center (Medical) : (866) 366-5048  
 Chemtrec (Transportation) 1-800-424-9300, 703-527-3887

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Aspiration toxicity	Category 1
Flammable aerosols	Category 2
Gases under pressure	Liquefied gas

**Label elements**

**Emergency Overview**

**Danger**

**Hazard statements**

May be fatal if swallowed and enters airways  
 Flammable aerosol  
 Contains gas under pressure; may explode if heated



**Color** white

**Physical state** Aerosol, liquid

**Odor** Lemon

**Precautionary Statements - Prevention**

Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Pressurized container: Do not pierce or burn, even after use  
 Do not spray on an open flame or other ignition source

**Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor/physician  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up. Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 122 °F (50 °C)

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

0.848% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Mixture**

Chemical Name	CAS No.	Weight-%
Petroleum distillates, hydrotreated light	64742-47-8	10 - 15
Isobutane	75-28-5	7 - 12
Propane	74-98-6	1 - 4

### 4. FIRST AID MEASURES

**Description of first aid measures**

<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin contact</b>	Wash skin with soap and water. If symptoms persist, call a physician.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Immediate medical attention is required. Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Potential for aspiration if swallowed.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**

Dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam.

**Unsuitable extinguishing media** Caution: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

No information available.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** Yes.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can. Handle in accordance with good industrial hygiene and safety practice. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Store in accordance with NFPA 30B for Level 1 aerosols. Keep container tightly closed in a dry and well-ventilated place. Keep away from heat. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

**Incompatible materials** None known based on information supplied.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isobutane 75-28-5	STEL: 1000 ppm	-	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
Propane 74-98-6	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m <sup>3</sup>	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>

NIOSH IDLH *Immediately Dangerous to Life or Health*

**Other Information** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Appropriate engineering controls**

**Engineering Controls** Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).  
**Skin and body protection** Wear protective gloves and protective clothing.  
**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical state</b>	Aerosol, liquid	<b>Odor</b>	Lemon
<b>Appearance</b>	white	<b>Odor threshold</b>	No information available
<b>Color</b>	white		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	7 - 8	
<b>Melting point/freezing point</b>	No information available	
<b>Boiling point / boiling range</b>	No information available	
<b>Flash point</b>	No information available	
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit:</b>	No information available	
<b>Lower flammability limit:</b>	No information available	
<b>Vapor pressure</b>	No information available	
<b>Vapor density</b>	No information available	
<b>Specific Gravity</b>	No information available	
<b>Water solubility</b>	No information available	
<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient</b>	No information available	
<b>Autoignition temperature</b>	No information available	
<b>Decomposition temperature</b>	No information available	
<b>Kinematic viscosity</b>	No information available	
<b>Dynamic viscosity</b>	No information available	
<b>Density</b>	No information available	
<b>Bulk density</b>	No information available	
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	

**Other Information**

**Softening point** No information available  
**Molecular weight** No information available  
**VOC Content (%)** No information available

**10. STABILITY AND REACTIVITY**



Petroleum distillates, hydrotreated light 64742-47-8	-	45: 96 h Pimephales promelas mg/L LC50 flow-through 2.2: 96 h Lepomis macrochirus mg/L LC50 static 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static	4720: 96 h Den-dronereides heteropoda mg/L LC50
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**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility**

No information available.

Chemical Name	Partition coefficient
Isobutane 75-28-5	2.88
Propane 74-98-6	2.3

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging**

Do not reuse container. Refer to all federal, state and local regulations prior to disposal of container and unused contents by reuse, recycle or disposal.

**14. TRANSPORT INFORMATION**

**Note:**

Limited quantity (LQ) exception is possible

**DOT**

UN/ID no. 1950  
 Proper shipping name AEROSOLS  
 Hazard Class 2.1  
 Packing Group None  
 Description UN1950, AEROSOLS, 2.1

**IATA**

UN/ID no. 1950  
 Proper shipping name AEROSOLS, FLAMMABLE  
 Hazard Class 2.1  
 Packing Group None  
 Description UN1950, AEROSOLS, FLAMMABLE, 2.1

**IMDG**

UN/ID no. 1950  
 Proper shipping name AEROSOLS  
 Hazard Class 2.1  
 Packing Group None  
 Description UN1950, AEROSOLS, 2.1

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA** Complies  
**DSL/NDSL** Complies

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

**Acute health hazard** Yes  
**Chronic Health Hazard** No  
**Fire hazard** Yes  
**Sudden release of pressure hazard** Yes  
**Reactive Hazard** No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Isobutane 75-28-5	X	X	X
Propane 74-98-6	X	X	X

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** This product does not contain any substances regulated as pesticides

**Difference between SDS and CPSC label**

This product is regulated under Consumer Product Safety Commission and is subject to certain labeling requirements under the Federal Hazardous Substances Act (16 CFR Part 1500) . These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace product labels.

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

**NFPA** Health hazards 2 Flammability 3 Instability 0 Physical and Chemical Properties -  
**HMIS** Health hazards 2 Flammability 3 Physical hazards 0 Personal protection B

Prepared By Regulatory Affairs



Revision Date 13-Jul-2016  
Revision Note No information available

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**



The Procter & Gamble Company  
P&G Household Care  
Fabric & Home Care Innovation Center  
5299 Spring Grove Avenue  
Cincinnati, OH 45217-1087

## MATERIAL SAFETY DATA SHEET

MSDS #: RQ1000484  
Supersedes: N/A

Issue Date: March 11, 2013  
Issue Date: March 4, 2010

### SECTION I - PRODUCT IDENTIFICATION

**Identity:** Disinfecting Multi-Purpose Liquid Hard Surface Cleaner      **Finished Product**  
**Brands:** Mr. Clean Antibacterial Multi-Surfaces and Mr. Clean Disinfectant Multi-Surfaces Liquid (Summer Citrus scent)

**P&G Telephone Number:** 1-800-867-2532 or call Local Poison Control Center or your physician.

### SECTION II - HAZARDS IDENTIFICATION

**Potential Health Hazards (Acute and Chronic):** (See Section 11 for more information)

Ingestion: May be harmful if swallowed.

Eye Contact: Mild eye irritant.

Skin Contact: Mild skin irritant.

Inhalation: N/A

**Signs and Symptoms of Exposure:**

Ingestion: Oral ingestion may result in transient system effects (ataxia and muscle weakness) and/or gastrointestinal irritation with nausea, vomiting or diarrhea. This product contains alcohol ethoxylates. Large ingestions (>2 ml/kg) may also cause symptoms of alcohol-like intoxication, lack of coordination, drowsiness, inarticulateness, headache or ataxia. Alcohol ethoxylates may contribute to central nervous system symptoms.

Eye Contact: Instillation into the eye may result in transient superficial effects similar to those produced by mild toilet soaps and detergents.

Skin Contact: Use on irritated or extremely dry skin may aggravate the existing condition.

Inhalation: N/A

Medical Conditions Generally Known to be Aggravated by Exposure: N/A

**Potential Environmental Effects:** (See Section 12 for more information)

### SECTION III - COMPOSITION AND INGREDIENTS

Active ingredient listed on the product label is the following:

Sodium hydroxide .....	0.34%
Other Ingredients (includes grease cutting agents) .....	99.66%
Total.....	100.00%

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200. and/or WHMIS under the HPA:

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Composition Range</u>	<u>TLV/LD50/LC50</u>
Alcohol ethoxylates	Nonionic surfactants	Confidential	3-7%	LD50 (rat, oral) = 200-2000 mg/kg

### SECTION IV – FIRST AID INFORMATION

#### First Aid Procedures:

Ingestion: Drink 1-2 glasses of water and call a physician or poison control center (product contains alcohol ethoxylates) – do not induce vomiting unless they tell you to do so.

Eye Contact: Hold eyes open and rinse gently with water for 15-20 min. If wearing contacts, remove lenses after first 5 min., and continue rinsing. If irritation persists, call a physician.

Skin: Thoroughly wash exposed area with soap and water and discontinue use. Remove contaminated clothing. If irritation persists, call a physician.

Inhalation: Remove to fresh air.

**Note to Physician:** (if applicable): N/A

**Other:** Consumer product package has the following precautionary statement: “**KEEP OUT OF REACH OF CHILDREN. CAUTION:** Eye Irritant. Avoid contact with eyes.

### SECTION V - FIRE FIGHTING INFORMATION

**Flash Point (Method Used):** >200°F / >93.3°C (ASTM D-93 Pensky-Martens Closed Cup).

**Flammable Properties:**

Upper Flammable Limit: N/A

Lower Flammable Limit: N/A

**Explosive Limits:** UEL: N/A LEL: N/A

**Auto-ignition Temperature:** N/A

**Hazardous Combustion Products:** None known.

**Explosion Data (Sensitivity to Mechanical Impact):** N/A

**Explosion Data (Sensitivity to Static Discharge):** N/A

**Extinguishing Media:**

Suitable: CO<sub>2</sub>, water, dry chemical or "alcohol" foam. Use water to keep fire-exposed container cool.

Unsuitable: N/A

**Protection of Firefighters:**

Specific Hazards Arising from the Material: None

Protective Equipment and Precautions for Firefighters: No unusual precautions necessary.

### SECTION VI - ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** See Section VIII below.

**Environmental Precautions:** DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS. Do not landfill. Small (household) quantities may be disposed of via sewer with large quantities of water. Incineration is preferred where permitted.

**Methods for Containment:** Prevent spills from reaching a waterway.

**Methods for Cleanup:** Use water spray to dilute and/or wash away spills to avoid exposure and to protect persons working to stop/repair leak. Absorb spilled product onto absorbent material.

**Other Information:** (if applicable) N/A

### SECTION VII - HANDLING AND STORAGE

**Precautions To Be Taken in Handling:** Handle in a well ventilated, cool and dry area.

**Precautions To Be Taken in Storage:** Storage must be in a well ventilated, cool and dry area.

### SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines:**

N/A

**Engineering Controls:**

**Ventilation Mechanical (General):** Normal/general dilution ventilation is acceptable.

**Personal Protective Equipment (PPE):**

Eye/Face Protection: None required with normal consumer use.

*Occupational Setting:* For splash protection, use chemical goggles. Eye Wash fountain is desirable.

Skin Protection: None required with normal consumer use.

*Occupational Setting:* Protective gloves (rubber, neoprene) should be used for prolonged direct contact.

Respiratory Protection: None required with normal use.

### SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance (color, physical form, shape):</b> Colored liquid (orange). Packaged in a pourable plastic bottle.	<b>Flash Point (Method Used):</b> >200F / >93.3°C (ASTM D-93 Pinsky-Martens Closed Cup.)
<b>Odor:</b> Product is perfumed.	<b>Reserve Alkalinity:</b> N/A
<b>Odor Threshold:</b> N/A	<b>Solubility in Water:</b> Completely
<b>Physical State:</b> Liquid.	<b>Decomposition Temperature:</b> N/A
<b>Vapor Pressure (mm Hg):</b> N/A	<b>Evaporation Rate (nBuOAc=1):</b> Unknown
<b>Vapor Density (Air=1):</b> N/A	<b>Specific Gravity/Density:</b> 1.019 g/cm <sup>3</sup>
<b>Boiling Point:</b> N/A	<b>Melting/Freezing Point:</b> N/A
<b>Partition Coefficient (n-octanol/water):</b> N/A	<b>pH (10% solution):</b> 10.3
<b>Volatile Organic Compound (VOC):</b> Product complies with US State and Federal regulations for VOC content.	

### SECTION X – STABILITY AND REACTIVITY

**Chemical Stability:** Stable  
**Conditions to Avoid:** None  
**Incompatible Materials:** None  
**Hazardous Decomposition Products:** None known  
**Possibility of Hazardous Reactions:** None known

### SECTION XI - TOXICOLOGICAL INFORMATION

**Chronic Effects:** No chronic health effects reported.  
**Target Organs:** No target organs reported.  
**Carcinogenicity:** This finished consumer product is not carcinogenic.

NTP: No  
IARC: No  
*All product ingredients were checked for NTP and IARC carcinogen listings relevant to this product formulation.*

### SECTION XII - ECOLOGICAL INFORMATION

No concerns at relevant environmental concentrations.

### SECTION XIII - DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Disposal is to be performed in compliance with federal, state/provincial and local regulations.

*Non-Household Setting (US Federal):* Industrial disposal of product in finished, consumer-ready packaging must be disposed of as an organic pesticide. Records must be kept of the disposal that documents the method of disposal, the date of disposal, the location of the disposal site, the type of pesticide disposed of (organic pesticide), and the amount of pesticide disposed of. Disposal records must be retained for 20 years. Incineration is preferred where permitted. Product removed from finished, consumer-ready packaging may be disposed of as non-pesticidal, liquid waste which is non-hazardous waste according to Federal RCRA regulations (40 CFR 261).

California Hazardous Waste: Yes

*Household Use:* Consumers may dispose of small (household) quantities down the drain with large quantities of water. Discard empty container in trash or thoroughly rinse and recycle container where facilities exist.

### SECTION XIV - TRANSPORT INFORMATION

**Ground Transport (US DOT):** Not regulated.

**Air Transport (IATA):** Not regulated.

**Marine/Water Transport (IMDG):** Not regulated.

**SECTION XV - REGULATORY INFORMATION**

**United States**

All intentionally-added components of this product are listed on the US TSCA Inventory.

EPA Registration Number: 3573-63

SARA 313/302/304/311/312 chemicals: None.

*California:* This product has been evaluated and does not require warning labeling under California Proposition 65.

**State Right-to-Know and CERCLA:**

The following ingredients present in the finished product at >1% (or >0.1% for carcinogens) are listed on state right-to-know lists or state worker exposure lists

Ingredient	CAS #	Max Level	CERCLA RQ	State				
				IL	MA	NJ	PA	RI
None								

**Canada**

All ingredients are CEPA approved for import to Canada by Procter & Gamble. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and this MSDS contains all information required by the Controlled Products Regulations.

**SECTION XVI - OTHER INFORMATION**

Perfumes contained within the products covered by this MSDS comply with appropriate IFRA guidance.

P&G Hazard Rating:	Health:	1	4=EXTREME
	Flammability:	0	3=HIGH
	Reactivity:	0	2=MODERATE
			1=SLIGHT
			0=NOT SIGNIFICANT

\*N/A. - Not Applicable

\*N/K. - Not Known

Data supplied is for use only in connection with occupational safety and health.

**DISCLAIMER:** This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Procter & Gamble assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.

# Disk Check Eco Polishing Compound

## Material Safety Data Sheet

Product name : Compound

MSDS No. ELA002

### GENERAL INFORMATION

Company's Name : ELM Inc.  
 Address : 15248-11, Takeda, Kaseda, Kagoshima, Japan  
 Info Phone : +81-993-53-6930  
 Emergency Phone : +81-993-53-6930  
 Fax : +81-993-53-7160

1. INGREDIENT	PERCENT	
WATER.....	30.0	60.0
DISTILLATES (PETROLEUM), ACID TREATED, LIGHT.....	10.0	30.0
ALMINUM OXIDE.....	7.0	13.0
HYDROTREATED HEAVY NAPHTHA (PETROLEUM) .....	5.0	10.0
GLYCERIN.....	1.0	5.0
WHITE MINERAL OIL (PETROLEUM).....	0.5	1.5

### 2. PHYSICAL DATA

BOILING POINT: ..... 212 F  
 VAPOR PRESSURE: ..... < 1 mmHg  
 VAPOR DENSITY: ..... > 1 Air=1  
 EVAPORATION RATE: ..... N/D  
 SOLUBILITY IN WATER: ..... DISPERSABLE  
 SPECIFIC GRAVITY: ..... 1 Water=1  
 PERCENT VOLATILE: ..... 85 - 90 %  
 pH: ..... 8.1 - 8.5  
 VISCOSITY: ..... 14000.0-20000.0 centipoises  
 MELTING POINT: ..... N/D  
 APPEARANCE AND ODOR: ..... Liquid, light color, light kerosene odor



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3. FIRE AND EXPLOSION HAZARD DATA  
-----

FLASH POINT: ..... > 200F  
FLAMMABLE LIMITS – LEL: ..... 0.7%  
FLAMMABLE LIMITS – UEL: ..... 7.0%  
AUTOIGNITION TEMPERATURE: ..... N/D

EXTINGUISHING MEDIA:

Water spray, Carbon dioxide, Dry chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES:

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None known.

NFPA HAZARD CODES: HEALTH: 1 FIRE: 1 REACTIVITY: 0

UNUSUAL REACTION HAZARD: none

-----  
4. REACTIVIT DATA  
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STABILITY: Stable

INCOMPATIBILITY – MATERIALS/CONDITIONS TO AVOID:

None known.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide, Toxic Vapors, Gases or Particulates.

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5. ENVIRONMENTAL INFORMATION  
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SPILL RESPONSE:

Observe precautions from other sections. Ventilate area. Contain spill. Cover with inorganic absorbent material. Collect spilled material. Clean up residue with water. Place in a closed container.

RECOMMEND DISPOSAL:

Incinerate in an industrial or commercial facility in the presence of a combustible material.

Disposal alternative: Dispose of completely absorbed waste product in a facility permitted to accept chemical.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: 26% calculated per SCAQMD rule 443.1.

Volatile Organic Compounds: 2.19 lb/gal calculated per SCAQMD rule 443.1.

Volatile Organic Compounds: 263 gms/liter calculated per SCAQMD rule 443.1.

VOC Less H<sub>2</sub>O & Exempt Solvents: 657 gms/liter calculated per SCAQMD rule 443.1.

Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = None (Not U.S. EPA Hazardous).

EPCRA HAZARD CLASS:

FIRE HAZARD: No PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: No

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6. SUGGESTED FIRST AID

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EYE CONTACT:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

SKIN CONTACT:

Flush skin with large amounts of water. If irritation persists, get medical attention.

INHALATION:

If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

IF SWALLOWED:

Do not induce vomiting. Drink two glassed of water. Call a physician.

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## 7. PRECAUTIONARY INFORMATION

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**EYE PROTECTION:**

Avoid eye contact.

**SKIN PROTECTION:**

Avoid prolonged or repeated skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: nitrile rubber, polyvinyl alcohol.

**RECOMMENDED VENTILATION:**

Use in a well-ventilated area. Provide sufficient ventilation to maintain emissions below recommended exposure limits.

**RESPIRATORY PROTECTION:**

Avoid prolonged breathing of vapors.

**PREVENTION OF ACCIDENTAL INGESTION:**

Wash hands after handling and before eating. Do not ingest.

**RECOMMENDED STORAGE:**

Keep container closed when not in use. Keep out of the reach of children.

**FIRE AND EXPLOSION AVOIDANCE:**

Keep container tightly closed. Keep away from heat, sparks, open flame, and other source of ignition.

### EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
WATER	NONE	NONE	NONE	NONE	
DISTILLATES (PETROLEUM), ACID TREATED, LIGHT	NONE	NONE	NONE	NONE	
ALUMINUM OXIDE	1.0	FIBER/CC	TWA	CMRG	
ALUMINUM OXIDE	1.0	FIBER/CC	TWA	OSHA	
		PROPOSED			
ALUMINUM OXIDE	10	MG/M3	TWA	OSHAV	
		AS DUST			
		OSHA VACATED PEL: TOTAL DUST			
ALUMINUM OXIDE	10	MG/M3	TWA	ACGIH	
		As A1			
ALUMINUM OXIDE	15	MG/M3	TWA	OSHA	
		AS DUST			
		TOTAL DUST			
ALUMINUM OXIDE	5	MG/M3	TWA	OSHA	
		AS DUST			

	RESPIRABLE FRACTION			
HYDROTREATED HEAVY NAPHTHA (PETROLEUM)	100	PPM	TWA	
HYDROTREATED HEAVY NAPHTHA (PETROLEUM)	300	PPM	TWA	CMRG
GLYCERIN	10	MG/M3	TWA	ACGIH
		AS MIST		
GLYCERIN	10	MG/M3	TWA	OSHAV
		AS MIST		
		OSHA VACATED PEL: TOTAL DUST		
GLYCERIN	15	MG/M3	TWA	OSHA
		AS MIST		
		TOTAL DUST		
GLYCERIN	5	MG/M3	TWA	OSHA
		AS MIST		
		RESPIRABLE FRACTION		
WHITE MINERAL OIL (PETROLEUM)	5	MG/M3	TWA	CMRG
WHITE MINERAL OIL (PETROLEUM)	10	MG/M3	STEL	CMRG

\*SKIN NOTATION: Listed substances indicated with 'Y' under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, rather by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- CMRG: Chemical Manufacturer Recommended Exposure Guidelines
- OSHA: Occupational Safety and Health Administration
- OSHAV: Occupational Safety and Health Administration Vacated PEL.  
Vacated Permissible Exposure Limits (PEL) are enforced as the OSHA PEL in some states. Check with your local regulatory authority.
- NONE: None Established

---

## 8. HEALTH HAZARD DATA

---

### EYE CONTACT:

Mild Eye Irritation: signs/symptoms can include redness, swelling, pain, and tearing.

### SKIN CONTACT:

Mild Skin Irritation (after prolonged or repeated contact):

Signs/symptoms can include redness, swelling, and itching.

### INHALATION:

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

Prolonged or repeated overexposure, above recommended guidelines, may cause:

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

### IF SWALLOWED:

Ingestion may cause:

Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, muscular weakness, incoordination, slowed reaction time, fatigue, blurred vision, slurred speech, giddiness, tremors and convulsions.

---

## 9. TOXICOLOGICAL INFORMATION

---

IRRITANT: May be harmful by inhalation, ingestion.

May cause irritation to eye and skin slightly.

ALLERGIC AND SENSITIVE EFFECTS : No data available.

ACUTE TOXICITY : No data available.

MUTAGENIC EFFECTS : Not admitted.

CARCINOGENICITY : NTP Not listed.

IARC Not listed.

OSHA Not listed.

---

## 10. ECOLOGICAL INFORMATION

---

BIODEGRADABILITY : No data available  
BIO ACCUMULATION : No data available  
FISH TOXICITY : TLm < 10ppm Goldfish

---

## 11. DISPOSAL CONSIDERATION

---

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Absorb spills with suitable absorbent like a piece of waste clothes.

WASTE DISPOSAL METHOD : Burn out the wipe clothes.

NEUTRALIZING CHEMICALS : Generally not required.

---

## 12. TRANSPORT INFORMATION

---

Follow all regulations in your country.

---

## 13. REGULATORY INFORMATION

---

Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

# Material Safety Data Sheet

Product name : Solution-D

MSDS No. ELA001

Disk Check Eco Solution D

## GENERAL INFORMATION

Company's Name : ELM Inc.  
Address : 15248-11, Takeda, Kaseda, Kagoshima, Japan  
Info Phone : +81-993-53-6930  
Emergency Phone : +81-993-53-6930  
Fax : +81-993-53-7160

## 1. COMPOSITION / INFORMATION OF INGREDIENTS

SUBSTANCE/MIXTURE : Mixture

CHEMICAL NAME :

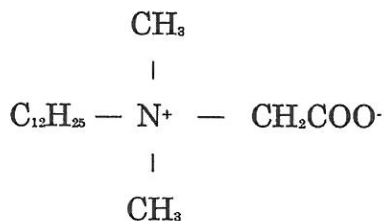
1. Main ingredients : Lauryl dimethylaminoacetic acid betaine
2. In addition, an ingredient: Magnesium chloride hexahydrate, Water etc

CAS REGISTRY NUMBER : 683-10-3, 7786-30-3

INGREDIENT AND COMPOSITION : 1, 2 Un-indicating

STRUCTURAL FORMULA :

1. Lauryl dimethylaminoacetic acid betaine



2. Magnesium chloride hexahydrate



UN CLASS : Not applicable

UN NUMBER : Not applicable

## 2. HAZARDS IDENTIFICATION

CLASS NAME OF HAZARDOUS CHEMICAL FOR SDS IN JAPAN : Not applicable

ADVERSE HUMAN HEALTH EFFECT  
ENVIRONMENTAL EFFECT

Rare irritating to eye and skin  
No data available

---

### 3. FIRST-AID MEASURES

---

#### EYE CONTACT:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

#### SKIN CONTACT:

Flush skin with large amounts of water. If irritation persists, get medical attention.

#### INHALATION:

If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

#### IF SWALLOWED:

Do not induce vomiting. Drink two glasses of water. Call a physician.

---

### 4. FIRE-FIGHTING MEASURES

---

#### SPECIFIC HAZARDS WITH REGARD TO FIRE-FIGHTING MEASURES:

There is no anxiety the fire because this product contains 60% water.

Keep away the chemical from the origin of fire.

---

### 5. ACCIDENTAL RELEASE MEASURES

---

A small quantity of case, wipe off with cloth.

A large quantity of case shuts off sources of ignition, then collect leaking liquid in covered metal containers using like vacuum pump.

Do not wash away into public drainage way or river.

---

### 6. HANDLING AND STORAGE

---

HANDLING : Avoid contact with eyes and other membranes.

Make available in the work area emergency shower and eye wash.

STORAGE : Close up tight and store it a cool and dark place.

Exercise routine care in accordance with good industrial hygiene practice

PRECAUTIONARY LABELING: Not required.

OTHER PRECAUTIONS : Generally not required.



---

## 7. EXPOSURE CONTROL/PERSONAL PROTECTION

---

CONTROL PARAMETERS:	TWA(8Hr)	STEL(15min)
ACGIH(1999)	Not applicable	Not applicable
OSHA REL	Not applicable	---

ENGINEERING MEASURES : Generally not required.

VENTILATION REQUIREMENTS :

(LOCAL EXHAUST)	Generally adequate.
(OTHER)	Generally not required.

RESPIRATORY PROTECTION(SPECIFY TYPE) : Generally not required.

EYE PROTECTION: chemical goggles recommended.

OTHER PROTECTIVE REQUIREMENT: Impervious glove recommended.

---

## 8. PHYSICAL AND CHEMICAL PROPERTIES

---

BOILING POINT(°C) :No data.

VAPOR PRESSURE(mmHg) :No data.

VAPOR DENSITY(Air=1) :No data.

SOLUBILITY WATER :Soluble easy.

APPEARANCE AND ODOR :Pale yellow oily liquid with slightly specific odor.

DENSITY(25°C) :1.00 - 1.02g/cm<sup>3</sup>

VISCOSITY(mPa s/25°C) :40

pH(3%aq.soln.) :4.5 - 7.0

MOISTURE(%) :60

---

## 9. PHYSICAL HAZARD (STABILITY AND REACTIVITY)

---

FLASH POINT(°C,METHOD USED) : No detect. (COC)

AUTO IGNITION TEMPERATURE : No data.

FALAMMBLE LIMITS: (LOWER) No data.  
(UPPER) No data.

STABILITY : Stable usually  
(CONDITION TO AVOID)

INCOMPATIBILITY (MATERIALS TO AVOID) : Alkali.

HAZARDOUS DECOMPOSITION PRODUCTS :

Carbon monoxide, Carbon dioxide, Nitrogen oxides.

(CONDITIONS TO AVOID)

---

## 10. TOXICOLOGICAL INFORMATION

---

IRRITANT: May be harmful by inhalation, ingestion.

May cause irritation to eye and skin slightly.

ALLERGIC AND SENSITIVE EFFECTS : No data available.

ACUTE TOXICITY : No data available.

MUTAGENIC EFFECTS : Not admitted.

CARCINOGENICITY : NTP Not listed.

IARC Not listed.

OSHA Not listed.

---

## 11. ECOLOGICAL INFORMATION

---

BIODEGRADABILITY : No data available

BIO ACCUMULATION : No data available

FISH TOXICITY : TLm < 10ppm Goldfish

---

## 12. DISPOSAL CONSIDERATION

---

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Absorb spills with suitable absorbent like a piece of waste clothes.

WASTE DISPOSAL METHOD : Burn out the wipe clothes.

NEUTRALIZING CHEMICALS : Generally not required.

---

## 13. TRANSPORT INFORMATION

---

Follow all regulations in your country.

---

## 14. REGULATORY INFORMATION

---

Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

# Safety Data Sheet

SDS # : A-0059

## Dry Ink/Toner Cartridge -Black

Issuing Date 1986-12-15

Revision Date 2018-02-01

Version 2

**Active**

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product Identifier**

**Product Name**

Dry Ink for 5016, 5018, 5021, 5028, 5034, 5126, 5321, 5328, 5334, Toner Cartridge 5534, 5624, 5626, 5818, 5820, 5828, 5830, Bookmark 21, Class II, XC1875, XC2675

**Part no.**

113R00067, 113R00093, 013R00013, 013R00161, 013R00018, 013R00031, 013R00034, 013R00035, 013R00424, 013R00505, 013R00511, 013R00074, 013R00009, 006R00136, 006R00244, 006R00255, 006R00261, 006R00458, 006R00527, 006R00708, 006R00744, 006R90127, CL236R548, CL266R458, CL2S6R458

**Color**

Black

**Pure substance/mixture**

Mixture

**Relevant identified uses of the substance or mixture and uses advised against**

**Recommended Use** Xerographic printing

**Details of the supplier of the safety data sheet**

**Manufactured by** Xerox Corporation  
Rochester, NY 14644

**For further information, please contact**

**Contact person** Manager, Environment, Health, Safety & Sustainability  
**E-mail address** askxerox@xerox.com  
**Emergency telephone** Safety Information US: (800) 275-9376  
Chemical Emergency only (Chemtrec) (800) 424-9300

2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

**Customer use / Cartridges and sealed bottles**

**OSHA Hazard Classification**

This product is an article which contains a mixture / preparation in powder form. Safety information is given for exposure to the article as sold and used by the customer. Intended use of the product is not expected to result in exposure to the mixture / preparation based on the packaging and method of dispensing.

While this material is not considered hazardous by the OSHA hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information for the safe handling and proper use of the product. This SDS should be retained and made available to employees and other users of this product.

**Label elements**

**Signal Word** None  
**Hazard Statements** None required  
**Precautionary Statements** None required

**Other hazards**

No hazard expected under normal conditions of use

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Mixtures**

Chemical Name	CAS No.	Weight %	Classification (Reg. 1272/2008)	Hazard Statements
Steel powder	7439-89-6	20-30	--	--
Iron oxide	1317-61-9	10-15	--	--
Carbon Black	1333-86-4	<5	--	--
Styrene/butadiene copolymer	9003-55-8	50-75	--	--

**4. FIRST AID MEASURES**

**Description of first-aid measures**

**General advice** For external use only. When symptoms persist or in all cases of doubt seek medical advice. Show this material safety data sheet to the doctor in attendance.  
**Eye contact** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes  
**Skin contact** Wash skin with soap and water  
**Inhalation** Move to fresh air  
**Ingestion** Rinse mouth with water and afterwards drink plenty of water or milk

**Most important symptoms and effects, both acute and delayed**

**Acute toxicity**  
**Eyes** No known effect  
**Skin** No known effect  
**Inhalation** No known effect  
**Ingestion** No known effect

**Main symptoms** **Overexposure may cause:** mild respiratory irritation similar to nuisance dust.  
**Aggravated Medical Conditions** None under normal use conditions

**Indication of immediate medical attention and special treatment needed**

**Protection of first-aiders** No special protective equipment required  
**Notes to physician** Treat symptomatically

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media**

**Suitable extinguishing media** Use water spray or fog; do not use straight streams, Foam  
**Unsuitable extinguishing media** Do not use a solid water stream as it may scatter and spread fire

**Special hazards arising from the substance or mixture**

Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard

**Hazardous combustion products**

Hazardous decomposition products due to incomplete combustion, Carbon oxides, Nitrogen oxides (NOx)

**Special protective actions for fire-fighters**

In the event of fire and/or explosion do not breathe fumes. Wear fire/flame resistant/retardant clothing. Use self-contained pressure-demand breathing apparatus if needed to prevent exposure to smoke or airborne toxins.

**Other information**

<b>Flammable properties</b>	Not flammable. Will not readily ignite.
<b>Flash point</b>	Not applicable

6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Avoid breathing dust

**Environmental precautions**

No special environmental precautions required

**Methods and material for containment and cleaning up**

<b>Methods for containment</b>	Prevent dust cloud
<b>Methods for cleaning up</b>	Use a vacuum cleaner to remove excess, then wash with COLD water. Hot water fuses the toner making it difficult to remove.

**Reference to other sections**

The environmental impact of this product has not been fully investigated  
However, this preparation is not expected to present significant adverse environmental effects.

7. HANDLING AND STORAGE

**Precautions for safe handling**

<b>Advice on safe handling</b>	Handle in accordance with good industrial hygiene and safety practice Avoid dust accumulation in enclosed space Prevent dust cloud
--------------------------------	--

<b>Hygiene measures</b>	None under normal use conditions
-------------------------	----------------------------------

**Conditions for safe storage, including any incompatibilities**

<b>Technical measures and storage conditions</b>	Keep container tightly closed in a dry and well-ventilated place Store at room temperature
--	---

<b>Incompatible products</b>	None
------------------------------	------

**Specific end uses**

Xerographic printing

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure Limits**

<b>ACGIH TLV TWA</b>	10 mg/m <sup>3</sup> (inhalable particles)
<b>ACGIH TLV TWA</b>	3 mg/m <sup>3</sup> (respirable dust)
<b>OSHA PEL TWA</b>	15 mg/m <sup>3</sup> (total dust)
<b>OSHA PEL TWA</b>	5 mg/m <sup>3</sup> (respirable dust)
<b>Xerox Exposure Limit</b>	2.5 mg/m <sup>3</sup> (total dust)
<b>Xerox Exposure Limit</b>	0.4 mg/m <sup>3</sup> (respirable dust)

**Component Information**

Chemical Name	ACGIH TLV	OSHA PEL
Carbon Black	TWA: 3 mg/m <sup>3</sup>	TWA: 3.5 mg/m <sup>3</sup>

**Exposure controls**

**Engineering measures**                      None under normal use conditions

**Individual protection measures, such as personal protective equipment (PPE)**

<b>Respiratory protection</b>	No special protective equipment required.
<b>Eye/Face protection</b>	No special protective equipment required
<b>Skin and body protection</b>	No special protective equipment required
<b>Hand protection</b>	No special protective equipment required

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Appearance</b>	Powder	<b>Odor</b>	Faint
<b>Odor threshold</b>	Not applicable	<b>Physical state</b>	Solid
<b>pH</b>	Not applicable	<b>Color</b>	Black
<b>Flash point</b>	Not applicable	<b>Boiling point/range</b>	Not applicable
<b>Softening point</b>	49 - 60 °C      /      120 - 140 °F	<b>Autoignition temperature</b>	Not applicable

**Flammability Limits in Air**                      Not applicable

<b>Vapor pressure</b>	Not applicable
<b>Vapor density</b>	Not applicable
<b>Water solubility</b>	Negligible
<b>Viscosity</b>	Not applicable
<b>Partition coefficient</b>	Not applicable
<b>Evaporation rate</b>	Not applicable
<b>Melting point/range</b>	Not determined
<b>Freezing point</b>	Not applicable
<b>Decomposition temperature</b>	Not determined
<b>Specific gravity</b>	~ 1

**Other information**

**Explosive properties**                      Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard

**10. STABILITY AND REACTIVITY**

**Reactivity**

No dangerous reaction known under conditions of normal use

**Chemical stability**

Stable under normal conditions

**Possibility of hazardous reactions**

**Hazardous reactions** None under normal processing  
**Hazardous polymerization** Hazardous polymerization does not occur

**Conditions to avoid**

Prevent dust cloud, Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard

**Incompatible materials to avoid**

None

**Hazardous decomposition products**

None under normal use

**11. TOXICOLOGICAL INFORMATION**

*The toxicity data noted below is based on the test results of similar reprographic materials.*

**Information on toxicological effects**

**Acute toxicity**

**Product Information**

**Irritation** No skin irritation, No eye irritation  
**Oral LD50** > 5 g/kg (rat)  
**Dermal LD50** > 5 g/kg (rabbit)  
**LC50 Inhalation** > 5 mg/L (rat, 4 hr)

**Component Information**

Chemical Name	LC50 Inhalation	Dermal LD50	Oral LD50
Steel powder			30 g/kg ( Rat )
Iron oxide			10000 mg/kg ( Rat )
Carbon Black		3 g/kg ( Rabbit )	15400 mg/kg ( Rat )

**Chronic toxicity**

**Sensitization** No sensitization responses were observed  
**Neurological Effects** No information available  
**Target organ effects** None known

**CMR Effects**

**Mutagenic effects** Not mutagenic in AMES Test  
**Reproductive toxicity** No information available  
**Carcinogenicity** See "Other Information" in this section.

Chemical Name	NTP	IARC
Carbon Black		2B

**Other information**

The IARC (International Agency for Research on Cancer) has listed carbon black as "possibly carcinogenic to humans". However, Xerox has concluded that the presence of carbon black in this mixture does not present a health hazard. The IARC classification is based on studies evaluating pure, "free" carbon black. In contrast, toner is a formulation composed of specially prepared polymer and a small amount of carbon black (or other pigment). In the process of making toner, the small amount of carbon black becomes encapsulated within a matrix. Xerox has performed extensive testing of toner, including a chronic bioassay (test for potential carcinogenicity). Exposure to toner did not produce evidence of cancer in exposed animals. The results were submitted to regulatory agencies and published extensively.

**Other toxic effects**

**Aspiration Hazard** Not applicable  
**Other adverse effects** None known

12. ECOLOGICAL INFORMATION

**Toxicity**

On available data, the mixture / preparation is not harmful to aquatic life

**Component Information**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Steel powder		LC50= 13.6 mg/L Morone saxatilis 96 h		
Carbon Black				EC50 > 5600 mg/L 24 h

**Persistence and degradability**

Not readily biodegradable

**Bioaccumulative potential**

Bioaccumulation is unlikely

**Mobility in soil**

Insoluble in water

**Other adverse effects**

Presents little or no hazard to the environment.

13. DISPOSAL CONSIDERATIONS

**Disposal considerations**

**Waste Disposal Methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated packaging**

No special precautions are needed in handling this material

14. TRANSPORT INFORMATION

This material is not subject to regulation as a hazardous material for shipping

15. REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**OSHA Regulatory Status**

This product is an article which contains a mixture / preparation in powder form. Safety information is given for exposure to the article as sold and used by the customer. Intended use of the product is not expected to result in exposure to the mixture / preparation based on the packaging and method of dispensing.

While this material is not considered hazardous by the OSHA hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information for the safe handling and proper use of the product. This SDS should be retained and made available to employees and other users of this product.

**Canada**



This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR), and the SDS contains all the information required by the HPR.

**International Inventories**

TSCA Complies  
 DSL/NDSL Complies

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**Clean Water Act**

This product is not regulated as a pollutant pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product is not regulated as a hazardous air pollutant (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**

Carbon black is regulated under California Proposition 65 only if in the form of "airborne, unbound particles of respirable size". Toner products do not contain carbon black in the form of "airborne, unbound particles of respirable size". Therefore, the requirements of Proposition 65 do not apply to this product.

Chemical Name	CAS No.	California Prop. 65
Carbon Black	1333-86-4	Carcinogen

**U.S. State Right-to-Know Regulations**

Although this product contains substances included in some U.S. State Right-to-Know regulations, the particles are bound in a unique matrix and, therefore, the product does not pose any specific hazard.

16. OTHER INFORMATION

Issuing Date 1986-12-15  
 Revision Date 2018-02-01  
 Revision Note Update to Format

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

end



# Dust-Off Compressed Gas Duster

## Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Date of issue: 10/15/2015

Revision date: 5/15/2018

Version: 2.0

### SECTION 1: Identification

#### 1.1. Product identifier

Substance name : Dust-Off Compressed Gas Duster  
Product code : 3.5 oz., 7 oz., 10 oz., Professional 12 oz., Jumbo 17 oz., Classic and Plus

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Dust Removal

#### 1.3. Details of the supplier of the safety data sheet

Falcon Safety Products, Inc.  
25 ImClone Drive  
Branchburg, NJ 08876 - USA  
T (908) 707-4900

#### 1.4. Emergency telephone number

Emergency number : (800) 498-7192

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

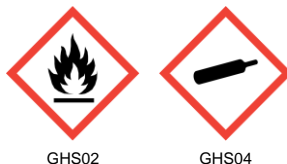
##### GHS-US and GHS-CA classification

Flam. Aerosol 2  
Press. Gas (Liquified Gas)

#### 2.2. Label elements

##### GHS-US and GHS-CA labelling

Hazard pictograms (GHS-US/GHS-CA) :



Signal word (GHS-US/GHS-CA) : Warning  
Hazard statements (GHS-US/GHS-CA) : Flammable aerosol. Contains gas under pressure; may explode if heated.  
Precautionary statements (GHS-US/GHS-CA) : Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place.

#### 2.3. Other hazards

Do not store in enclosed vehicle.

#### 2.4. Unknown acute toxicity (GHS US/GHS CA)

Not applicable.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Name	Product identifier	%
1,1-Difluoroethane	(CAS No) 75-37-6	100

#### 3.2. Mixture

Not applicable.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.  
First-aid measures after skin contact : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists. May cause frostbite.

# Dust Off Compressed Gas Duster

## Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

- |                                      |   |
|--------------------------------------|---|
| First-aid measures after eye contact | : In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.   |
| First-aid measures after ingestion   | : If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell. |

### 4.2. Most important symptoms and effects, both acute and delayed

- |                                      |   |
|--------------------------------------|---|
| Symptoms/injuries after inhalation   | : May cause respiratory tract irritation. May cause drowsiness, dizziness and central nervous system depression.  |
| Symptoms/injuries after skin contact | : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause frostbite on contact with the liquid.  |
| Symptoms/injuries after eye contact  | : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. May cause frostbite on contact with the liquid. |
| Symptoms/injuries after ingestion    | : Not a normal route of exposure.   |

### 4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- |                                |   |
|--------------------------------|---|
| Suitable extinguishing media   | : Water spray, water fog, dry chemical, alcohol resistant foam, carbon dioxide. |
| Unsuitable extinguishing media | : None known.   |

### 5.2. Special hazards arising from the substance or mixture

- |                  |  |
|------------------|--|
| Fire hazard      | : Flammable aerosol. Products of combustion may include, and are not limited to: oxides of carbon, hydrofluoric acid, carbonyl fluoride. |
| Explosion hazard | : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.                        |

### 5.3. Advice for firefighters

- |                                |   |
|--------------------------------|---|
| Firefighting instructions      | : DO NOT fight fire when fire reaches explosives. Evacuate area. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors. |
| Protection during firefighting | : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).  |

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- |                  |   |
|------------------|---|
| General measures | : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. |
|------------------|---|

### 6.2. Methods and material for containment and cleaning up

- |                         |  |
|-------------------------|--|
| For containment         | : Ventilate the area thoroughly, especially low lying areas (basements, workpits etc). |
| Methods for cleaning up | : Leave the product to evaporate. Provide ventilation.                                 |

### 6.3. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- |                                   |  |
|-----------------------------------|--|
| Additional hazards when processed | : Hazardous waste due to potential risk of explosion. Pressurized container: Do not pierce or burn, even after use. Keep away from sources of ignition - No smoking.   |
| Precautions for safe handling     | : Do not spray on an open flame or other ignition source. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Provide local exhaust or general room ventilation. When using do not eat, drink or smoke. Prevent the build-up of electrostatic charge. Use non-sparking tools. |
| Hygiene measures                  | : Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.  |

### 7.2. Conditions for safe storage, including any incompatibilities

- |                    |  |
|--------------------|--|
| Technical measures | : Proper grounding procedures to avoid static electricity should be followed.  |
| Storage conditions | : Keep out of the reach of children. Keep container dry and in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Keep in fireproof place. Store in original container. Do not store in enclosed vehicle. |

### 7.3. Specific end use(s)

Not available.

# Dust Off Compressed Gas Duster

## Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

1,1-Difluoroethane (75-37-6)	
ACGIH	Not applicable.
OSHA	Not applicable.
NIOSH	Not applicable.
IDLH	Not applicable.

#### 8.2. Exposure controls

Appropriate engineering controls	: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
Hand protection	: Wear suitable gloves.
Eye protection	: Safety glasses with side shields.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Environmental exposure controls	: Maintain levels below Community environmental protection thresholds.
Other information	: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Gas
Appearance	: Clear
Color	: Colourless
Odor	: Slight, ether-like
Odor threshold	: No data available
pH	: Neutral
Melting point	: No data available
Freezing point	: No data available
Boiling point	: -13 °F (- 25 °C)
Flash point	: < 58 °F (<14.4 °C)
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Flammable
Explosion limits	: 3.9-16.9
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: 5960 kPa at 77 °F (25 °C)
Relative density	: 0.91
Relative vapor density at 20 °C	: 2.4 at 77 °F (25 °C)
Specific gravity / density	: 0.9
Solubility	: Slightly
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

#### 9.2. Other information

No additional information available.

# Dust Off Compressed Gas Duster

## Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No dangerous reaction known under conditions of normal use.

#### 10.2. Chemical stability

Stable under normal storage conditions. Flammable aerosol. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn.

#### 10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

#### 10.4. Conditions to avoid

Heat. Incompatible materials. Sources of ignition. Do not expose to temperatures exceeding 50 °C/ 122 °F.

#### 10.5. Incompatible materials

Alkali and alkaline earth metals. Powdered metals. Powdered metallic salts.

#### 10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon, hydrofluoric acid, carbonyl fluoride.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Dust Off Compressed Gas Duster	
LD50 oral rat	1500 mg/kg
LD50 dermal rabbit	No data available
LC50 inhalation rat	64000 ppm

Skin corrosion/irritation	: Based on available data, the classification criteria are not met.
Serious eye damage/irritation	: Based on available data, the classification criteria are not met.
Respiratory or skin sensitization	: Based on available data, the classification criteria are not met.
Germ cell mutagenicity	: Based on available data, the classification criteria are not met.
Carcinogenicity	: Based on available data, the classification criteria are not met.
Reproductive toxicity	: Based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure)	: Based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure)	: Based on available data, the classification criteria are not met.
Aspiration hazard	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: May cause respiratory tract irritation. May cause drowsiness, dizziness and central nervous system depression.
Symptoms/injuries after skin contact	: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause frostbite on contact with the liquid.
Symptoms/injuries after eye contact	: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. May cause frostbite on contact with the liquid.
Symptoms/injuries after ingestion	: Not a normal route of exposure.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

#### 12.2. Persistence and degradability

Dust Off Compressed Gas Duster	
Persistence and degradability	Not established.

#### 12.3. Bioaccumulative potential

Dust Off Compressed Gas Duster	
Bioaccumulative potential	Not established.

#### 12.4. Mobility in soil

No additional information available.

#### 12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

# Dust Off Compressed Gas Duster

## Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

- Waste disposal recommendations : This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible. Container under pressure. Do not drill or burn even after use.
- Additional information : Flammable vapors may accumulate in the container.

### SECTION 14: Transport information

#### Department of Transportation (DOT)

- In accordance with DOT
- UN-No. (DOT) : UN1030
- Proper Shipping Name (DOT) : 1,1-Difluoroethane
- Transport hazard class(es) (DOT) : 2.1
- Hazard labels (DOT) :



- Packaging Exceptions : Falcon Safety Products has been granted a DOT special permit. A copy of DOT Special Permit SP-11516 can be obtained by calling Falcon Safety Products, Inc. at 908-707-4900.

#### Transportation of Dangerous Goods (TDG)

- In accordance with TDG
- UN-No.(TDG) : UN1030
- Proper Shipping Name (TDG) : 1,1-Difluoroethane
- Class (TDG) : 2.1
- Hazard labels (TDG) :



- Packaging Exceptions : TDG Canada: Falcon Safety Products has been granted Equivalency Certificate SU 9211 (ren. 1) by the TCSS, TDGD to offer for transport by road, rail and marine.

#### Transport by sea

- UN-No. (IMDG) : UN1030
- Proper Shipping Name (IMDG) : 1,1-DIFLUOROETHANE (REFRIGERANT GAS R 152a)
- Class (IMDG) : 2.1

#### Air transport

- UN-No. (IATA) : UN1030
- Proper Shipping Name (IATA) : 1,1-Difluoroethane
- Class (IATA) : 2.1

#### Additional information

- Other information : No supplementary information available.
- Special transport precautions : Do not handle until all safety precautions have been read and understood.

### SECTION 15: Regulatory information

#### 15.1. Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

#### 1,1-Difluoroethane (75-37-6)

Listed on the Canadian DSL (Domestic Substances List)

#### 15.2. US State regulations

#### Dust Off Compressed Gas Duster

State or local regulations : This product does not contain a chemical known to the State of California to cause cancer,

# Dust Off Compressed Gas Duster

## Safety Data Sheet

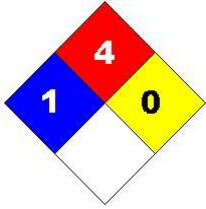
according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Dust Off Compressed Gas Duster	
	birth defects or other reproductive harm.

### SECTION 16: Other information

Date of issue : 10/15/2015  
Revision date : 5/15/2018  
Other information : None.

#### Mexico Classification:



**Blue = Health**      **Red = Flammability**      **Yellow = Reactivity**      **White = Special**

**Hazard Rating:** 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

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# SAFETY DATA SHEET

Issuing Date 08-Dec-2017

Revision Date 02-Jun-2017

Revision Number 1

NGHS / English



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## 1. IDENTIFICATION

### Product identifier

**Product Name** Equate Antibacterial Fresh Citrus Liquid Hand Soap Fresh Citrus 39154

### Other means of identification

**Product Code(s)** 1355862\_WM

### Recommended use of the chemical and restrictions on use

**Recommended Use** Soap (Bar, Liquid) for Body

**Restrictions on use** No information available

### Details of the supplier of the safety data sheet

**Supplier Identification** APOLLO HEALTH AND BEAUTY CARE INC.

**Address**  
1 APOLLO PLACE  
TORONTO  
Ontario  
M3J 0H2  
Canada

**Telephone**  
Phone:416 758 3700  
Fax:416 758 3701

**E-mail** dsanderson@apollocorp.com

### Emergency telephone number

**Company Emergency Phone Number** 416 758 3700

## 2. HAZARDS IDENTIFICATION

### Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1





**Appearance** Light green

**Physical state** Viscous liquid Liquid

**Odor** Mild

**GHS Label elements, including precautionary statements**

**Danger**

**Hazard statements**

Causes skin irritation  
Causes serious eye damage



**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/eye protection/face protection

**Precautionary Statements - Response**

Specific treatment (see supplemental first aid instructions on this label)

**Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a POISON CENTER or doctor

**Skin**

IF ON SKIN: Wash with plenty of water and soap  
If skin irritation occurs: Get medical advice/attention  
Take off contaminated clothing and wash it before reuse

**Other information**

May be harmful in contact with skin. Toxic to aquatic life with long lasting effects.

**Unknown acute toxicity** 10.2999 % of the mixture consists of ingredient(s) of unknown toxicity

- 1.5434 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 5.9772 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 10.2999 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- 10.2999 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- 8.5422 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Substance**

Not applicable.

**Mixture**

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA)	Date HMIRA filed and date exemption granted (if applicable)
---------------	---------	----------	---	---



			registry #)	
Cetrimonium chloride	112-02-7	2.565	-	-
Glycerin	56-81-5	2.4471	-	-
Lauramidopropylamine oxide	61792-31-2	1.9867	-	-
Cocamide mea	68140-00-1	1.5434	-	-
Benzalkonium chloride	63449-41-2	0.13	-	-

#### 4. FIRST AID MEASURES

##### First aid measures

<b>General advice</b>	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	Remove to fresh air. Get medical attention immediately if symptoms occur.
<b>Eye contact</b>	Get immediate medical advice/attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.
<b>Self-protection of the first aider</b>	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

##### Most important symptoms and effects, both acute and delayed

**Symptoms** Burning sensation.

##### Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media</b>	CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Specific hazards arising from the chemical</b>	No information available.
<b>Hazardous Combustion Products</b>	Carbon oxides.
<b>Explosion Data</b>	
<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.
<b>Special protective equipment for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.



## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

**Other Information** Refer to protective measures listed in Sections 7 and 8.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH	
Glycerin 56-81-5	TWA: 10 mg/m <sup>3</sup> mist	TWA: 15 mg/m <sup>3</sup> mist, total particulate TWA: 5 mg/m <sup>3</sup> mist, respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> mist, total particulate (vacated) TWA: 5 mg/m <sup>3</sup> mist, respirable fraction		
Chemical name	Alberta	British Columbia	Ontario TWAEV	Quebec
Glycerin 56-81-5	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 3 mg/m <sup>3</sup>		TWA: 10 mg/m <sup>3</sup>

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992). See section 15 for national exposure control parameters.

### Appropriate engineering controls



**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Tight sealing safety goggles.

**Hand protection** Wear suitable gloves. Impervious gloves.

**Skin and body protection** Wear suitable protective clothing. Long sleeved clothing.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical and Chemical Properties**

**Physical state** Viscous liquid; Liquid  
**Appearance** Light green  
**Odor** Mild  
**Color** No information available  
**Odor Threshold** Not applicable

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
<b>pH</b>	5		
<b>Melting / freezing point</b>	No data available	None known	
<b>Boiling point / boiling range</b>	No data available	None known	
<b>Flash Point</b>	No data available	None known	
<b>Evaporation Rate</b>	No data available	None known	
<b>Flammability (solid, gas)</b>	No data available	None known	
<b>Flammability Limit in Air</b>		None known	
<b>Upper flammability limit</b>	No data available		
<b>Lower flammability limit</b>	No data available		
<b>Vapor pressure</b>	No data available	None known	
<b>Vapor density</b>	No data available	None known	
<b>Relative density</b>	1.01		
<b>Water Solubility</b>	Soluble in water		
<b>Solubility(ies)</b>	No data available	None known	
<b>Partition coefficient: n-octanol/water</b>	N/A		
<b>Autoignition temperature</b>	No data available	None known	
<b>Decomposition temperature</b>	No data available	None known	
<b>Kinematic viscosity</b>	No data available	None known	
<b>Dynamic viscosity</b>	7000		

**Other Information**

**Explosive properties** No information available  
**Oxidizing properties** No information available  
**Softening Point** No information available  
**Molecular Weight** No information available  
**VOC Content (%)** No information available  
**Liquid Density** No information available  
**Bulk Density** No information available



Particle Size No information available  
Particle Size Distribution No information available

## 10. STABILITY AND REACTIVITY

Reactivity No information available.  
Chemical stability Stable under normal conditions.  
Possibility of Hazardous Reactions None under normal processing.  
Hazardous Polymerization Hazardous polymerization does not occur.  
Conditions to avoid None known based on information supplied.  
Incompatible materials Strong acids. Strong bases. Strong oxidizing agents.  
Hazardous Decomposition Products Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

**Inhalation** Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.

**Eye contact** Specific test data for the substance or mixture is not available. Severely irritating to eyes. Causes serious eye damage. (based on components). May cause burns. May cause irreversible damage to eyes.

**Skin contact** Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).

**Ingestion** Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### Information on toxicological effects

**Symptoms** Redness. Burning. May cause blindness. May cause redness and tearing of the eyes.

### Numerical measures of toxicity

#### Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 9,083.00 mg/kg  
ATEmix (inhalation-dust/mist) 85.30 mg/L

**Unknown acute toxicity** 10.2999 % of the mixture consists of ingredient(s) of unknown toxicity  
1.5434 % of the mixture consists of ingredient(s) of unknown acute oral toxicity  
5.9772 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
10.2999 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
10.2999 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
8.5422 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)



**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Cetrimonium chloride	= 410 mg/kg ( Rat )	= 4300 mg/kg ( Rabbit )	-
Glycerin	= 12600 mg/kg ( Rat )	> 10 g/kg ( Rabbit )	> 570 mg/m <sup>3</sup> ( Rat ) 1 h
Cocamide mea	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	-
Benzalkonium chloride	-	= 1420 mg/kg ( Rat )	-

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Skin corrosion/irritation</b>	Classification based on data available for ingredients. Irritating to skin.
<b>Serious eye damage/eye irritation</b>	Classification based on data available for ingredients. Causes burns. Risk of serious damage to eyes.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Cetrimonium chloride	-	-	EC50 = 0.86 mg/L 15 min EC50 = 0.98 mg/L 10 min EC50 = 1.35 mg/L 5 min	-
Glycerin	-	96h LC50: 51 - 57 mL/L (Oncorhynchus mykiss)	-	24h EC50: > 500 mg/L
Cocamide mea	-	96h LC50: = 28.5 mg/L (Brachydanio rerio) 96h LC50: = 31 mg/L (Brachydanio rerio)	-	24h EC50: = 10 mg/L

**Persistence and Degradability** No information available.

**Bioaccumulation**

Chemical name	Log Pow
Glycerin	-1.76
Cocamide mea	3.89

**Mobility** No information available.



Other adverse effects No information available.

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

California Waste Codes 311

### 14. TRANSPORT INFORMATION

DOT  
Proper Shipping Name NOT REGULATED  
Hazard Class NON-REGULATED  
N/A

TDG Not regulated

MEX Not regulated

ICAO Not regulated

IATA  
Proper Shipping Name Not regulated  
Hazard Class NON REGULATED  
N/A

IMDG/IMO  
Hazard Class Not regulated  
N/A

RID Not regulated

ADR Not regulated

ADN Not regulated

### 15. REGULATORY INFORMATION

#### Safety, health and environmental regulations/legislation specific for the substance or mixture

##### International Regulations

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

##### International Inventories

TSCA Contact supplier for inventory compliance status.  
DSL/NDSL Contact supplier for inventory compliance status.  
EINECS/ELINCS Contact supplier for inventory compliance status.



**ENCS** Contact supplier for inventory compliance status.  
**KECL** Contact supplier for inventory compliance status.  
**PICCS** Contact supplier for inventory compliance status.  
**AICS** Contact supplier for inventory compliance status.

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

This product may contain substances regulated by state right-to-know regulations.

Chemical name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Glycerin 56-81-5	X	X	X	X	

**16. OTHER INFORMATION**

<b>NFPA</b>	Health hazards 3	Flammability 0	Instability 0	Physical and Chemical Properties - Personal Protection X
<b>HMIS</b>	Health hazards 3	Flammability 0	Physical hazards 0	





**Prepared By** Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

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**Revision Date** 02-Jun-2017

**Revision Note** No information available

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of Safety Data Sheet**



# SAFETY DATA SHEET

17041

## Section 1. Identification

**Product name** : Expressions® Interior Paint & Primer Satin  
White

**Product code** : 17041

**Other means of identification** : Not available.

**Product type** : Liquid.

**Relevant identified uses of the substance or mixture and uses advised against**  
Not applicable.

**Manufacturer** : Valspar  
101 W. Prospect Avenue  
Cleveland, OH 44115

**Emergency telephone number of the company** : (800) 424-9300

**Product Information Telephone Number** : Not available.

**Regulatory Information Telephone Number** : (216) 566-2902

**Transportation Emergency Telephone Number** : (800) 424-9300

## Section 2. Hazards identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** : CARCINOGENICITY - Category 2  
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (lungs) - Category 1  
Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 20.9%  
Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 20.9%  
Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 20.9%

### GHS label elements

**Hazard pictograms** :



**Signal word** : Danger

**Hazard statements** : Suspected of causing cancer.  
Causes damage to organs through prolonged or repeated exposure. (lungs)

### Precautionary statements

**General** : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

**Prevention** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

**Response** : Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention.

**Storage** : Store locked up.

**Date of issue/Date of revision** : 2/23/2018 **Date of previous issue** : 2/17/2018 **Version** : 1.03 1/10  
17041 Expressions® Interior Paint & Primer Satin White **SHW-85-NA-GHS-US**

## Section 2. Hazards identification

- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Supplemental label elements** : WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.  
Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.
- Hazards not otherwise classified** : None known.

## Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available.

### CAS number/other identifiers

Ingredient name	% by weight	CAS number
Titanium Dioxide	≥10 - ≤25	13463-67-7
Kaolin	≤10	1332-58-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.**

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

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## Section 4. First aid measures

<b>Eye contact</b>	: No specific data.
<b>Inhalation</b>	: No specific data.
<b>Skin contact</b>	: No specific data.
<b>Ingestion</b>	: No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

<b>Notes to physician</b>	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific treatments</b>	: No specific treatment.
<b>Protection of first-aiders</b>	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

<b>Suitable extinguishing media</b>	: Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	: None known.

**Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

<b>Hazardous thermal decomposition products</b>	: Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides
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**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
<b>For emergency responders</b>	: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

<b>Small spill</b>	: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
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## Section 6. Accidental release measures

- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits (OSHA United States)

Ingredient name	Exposure limits
Titanium Dioxide	<b>ACGIH TLV (United States, 3/2016).</b> TWA: 10 mg/m <sup>3</sup> 8 hours.
Kaolin	<b>OSHA PEL (United States, 6/2016).</b> TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust
	<b>ACGIH TLV (United States, 3/2016).</b> TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction
	<b>NIOSH REL (United States, 10/2016).</b> TWA: 5 mg/m <sup>3</sup> 10 hours. Form: Respirable fraction
	TWA: 10 mg/m <sup>3</sup> 10 hours. Form: Total dust
	<b>OSHA PEL (United States, 6/2016).</b> TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction
	TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust

#### Occupational exposure limits (Canada)

Ingredient name	Exposure limits
None.	

#### Occupational exposure limits (Mexico)

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## Section 8. Exposure controls/personal protection

Ingredient name	Exposure limits
None.	

**Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### Appearance

**Physical state** : Liquid.

**Color** : Not available.

**Odor** : Not available.

**Odor threshold** : Not available.

**pH** : 9

**Melting point** : Not available.

**Boiling point** : 100°C (212°F)

**Flash point** : Closed cup: 96°C (204.8°F) [Pensky-Martens Closed Cup]

**Evaporation rate** : 0.09 (butyl acetate = 1)

**Flammability (solid, gas)** : Not available.

**Lower and upper explosive (flammable) limits** : Not available.

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## Section 9. Physical and chemical properties

Vapor pressure	: 2.3 kPa (17.5 mm Hg) [at 20°C]
Vapor density	: 1 [Air = 1]
Relative density	: 1.28
Solubility	: Not available.
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Kinematic (40°C (104°F)): >0.205 cm <sup>2</sup> /s (>20.5 cSt)
Molecular weight	: Not applicable.
<u>Aerosol product</u>	
Heat of combustion	: 0.848 kJ/g

## Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Not available.

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium Dioxide	Skin - Mild irritant	Human	-	72 hours 300 Micrograms Intermittent	-

#### Sensitization

Not available.

#### Mutagenicity

Not available.

#### Carcinogenicity

Not available.

#### Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide	-	2B	-

#### Reproductive toxicity



## Section 11. Toxicological information

Not available.

### Teratogenicity

Not available.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Kaolin	Category 1	Inhalation	lungs

### Aspiration hazard

Not available.

**Information on the likely routes of exposure** : Not available.

### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : No specific data.  
**Inhalation** : No specific data.  
**Skin contact** : No specific data.  
**Ingestion** : No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

### Potential chronic health effects

Not available.

**General** : Causes damage to organs through prolonged or repeated exposure.  
**Carcinogenicity** : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Teratogenicity** : No known significant effects or critical hazards.  
**Developmental effects** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates



Not available.

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium Dioxide	Acute LC50 >1000000 µg/l Marine water	Fish - Fundulus heteroclitus	96 hours

### Persistence and degradability

Not available.

### Bioaccumulative potential

Not available.

### Mobility in soil

Soil/water partition coefficient ( $K_{oc}$ ) : Not available.

Other adverse effects : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-

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 17041 Expressions® Interior Paint & Primer Satin White SHW-85-NA-GHS-US

## Section 14. Transport information

**Special precautions for user** : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

**Transport in bulk according to Annex II of MARPOL and the IBC Code** : Not available.

**Proper shipping name** : Not available.  
**Ship type** : Not available.  
**Pollution category** : Not available.

## Section 15. Regulatory information

### SARA 313

SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

### California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

Health	*	3
Flammability		1
Physical hazards		0

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

### Procedure used to derive the classification

Classification	Justification
CARCINOGENICITY - Category 2	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (lungs) - Category 1	Calculation method

### History

**Date of printing** : 2/23/2018  
**Date of issue/Date of revision** : 2/23/2018  
**Date of previous issue** : 2/17/2018  
**Version** : 1.03

## Section 16. Other information

### Key to abbreviations

: ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

### Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by Sherwin-Williams, including but not limited to the incorporation of non Sherwin-Williams products or the use or addition of products in proportions not specified by Sherwin-Williams. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

# SAFETY DATA SHEET



Date of issue/Date of revision 25 June 2018

Version 9.05

## Section 1. Identification

**Product name** : GLN6012 GLIDDEN PREMIUM INTERIOR PAINT + PRIMER LATEX EGGSHELL BASE 2  
**Product code** : 00409396  
**Other means of identification** : Not available.  
**Product type** : Liquid.

### Relevant identified uses of the substance or mixture and uses advised against

**Product use** : Consumer applications, Professional applications.  
**Use of the substance/ mixture** : Coating.  
**Uses advised against** : Not applicable.


**Manufacturer** : PPG Industries, Inc.  
One PPG Place  
Pittsburgh, PA 15272  
**Emergency telephone number** : (412) 434-4515 (U.S.)  
(514) 645-1320 (Canada)  
01-800-00-21-400 or + 52 55 5559 1588 (Mexico)

**Technical Phone Number** : 1-800-441-9695 (8:00 am to 5:00 pm EST)

## Section 2. Hazards identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** : CARCINOGENICITY - Category 2

 Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 19.8% (Oral), 29% (Dermal), 29% (Inhalation)


This product contains TiO<sub>2</sub> which has been classified as a GHS Carcinogen Category 2 based on its IARC 2B classification. For many PPG products, TiO<sub>2</sub> is utilized as a raw material in a liquid coating formulation. In this case, the TiO<sub>2</sub> particles are bound in a matrix with no meaningful potential for human exposure to unbound particles of TiO<sub>2</sub> when the product is applied with a brush or roller. Sanding the coating surface or mist from spray applications may be harmful depending on the duration and level of exposure and require the use of appropriate personal protective equipment and/or engineering controls (see Section 8).

### GHS label elements

United States

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## Section 2. Hazards identification

Hazard pictograms	:	
Signal word	:	Warning
Hazard statements	:	Suspected of causing cancer.
<b>Precautionary statements</b>		
General	:	Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Prevention	:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing.
Response	:	IF exposed or concerned: Get medical attention. Photosensitive agents : In case of accidental eye contact, avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of the eyes. In case of accidental skin contact, avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of skin.
Storage	:	Store locked up.
Disposal	:	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	:	<input checked="" type="checkbox"/> Contains isothiazolinones. May cause allergic reaction. Emits toxic fumes when heated.
Hazards not otherwise classified	:	None known.

## Section 3. Composition/information on ingredients

Substance/mixture	:	Mixture
Product name	:	GLN6012 GLIDDEN PREMIUM INTERIOR PAINT + PRIMER LATEX EGGSHELL BASE 2

Ingredient name	%	CAS number
titanium dioxide	≥5.0 - ≤10	13463-67-7
Kaolin	≥5.0 - ≤10	1332-58-7
Silicic acid, aluminum sodium salt	≥1.0 - ≤5.0	1344-00-9

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

### Description of necessary first aid measures

- Eye contact** : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.  
In case of accidental eye contact, avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of the eyes.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.  
In case of accidental skin contact, avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of skin.
- Ingestion** : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media** : None known.

**Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon oxides  
metal oxide/oxides

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

## Section 6. Accidental release measures

- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Special precautions** : If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Do not store below the following temperature: 5°C (41°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits



## Section 8. Exposure controls/personal protection

Ingredient name	Exposure limits
titanium dioxide	<b>OSHA PEL (United States, 6/2016).</b> TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust
Kaolin	<b>ACGIH TLV (United States, 3/2017).</b> TWA: 10 mg/m <sup>3</sup> 8 hours.
	<b>ACGIH TLV (United States, 3/2017).</b> TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction
Silicic acid, aluminum sodium salt	<b>OSHA PEL (United States, 6/2016).</b> TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction
	TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust
	<b>ACGIH TLV (United States, 3/2017).</b> TWA: 1 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction
	<b>ACGIH TLV (United States, 1/2007).</b> TWA: 2 mg/m <sup>3</sup> , (as Al) 8 hours. Form: Soluble

### Key to abbreviations

A = Acceptable Maximum Peak	S = Potential skin absorption
ACGIH = American Conference of Governmental Industrial Hygienists.	SR = Respiratory sensitization
C = Ceiling Limit	SS = Skin sensitization
F = Fume	STEL = Short term Exposure limit values
IPEL = Internal Permissible Exposure Limit	TD = Total dust
OSHA = Occupational Safety and Health Administration.	TLV = Threshold Limit Value
R = Respirable	TWA = Time Weighted Average
Z = OSHA 29 CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances	

### Consult local authorities for acceptable exposure limits.

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Section 8. Exposure controls/personal protection**

<b>Eye/face protection</b>	: Safety glasses with side shields.
<b>Skin protection</b>	
<b>Hand protection</b>	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
<b>Gloves</b>	: polyethylene
<b>Body protection</b>	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
<b>Other skin protection</b>	: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
<b>Respiratory protection</b>	: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

**Section 9. Physical and chemical properties****Appearance**

<b>Physical state</b>	: Liquid.
<b>Color</b>	: Various
<b>Odor</b>	: Characteristic.
<b>Odor threshold</b>	: Not available.
<b>pH</b>	: 9
<b>Melting point</b>	: Not available.
<b>Boiling point</b>	: 100°C (212°F)
<b>Flash point</b>	: Closed cup: Not applicable. [Product does not sustain combustion.]
<b>Auto-ignition temperature</b>	: Not available.
<b>Decomposition temperature</b>	: Not available.
<b>Flammability (solid, gas)</b>	: Not available.
<b>Lower and upper explosive (flammable) limits</b>	: Not available.
<b>Evaporation rate</b>	: 0.05 (butyl acetate = 1)
<b>Vapor pressure</b>	: 3.3 kPa (25 mm Hg) [room temperature]
<b>Vapor density</b>	: Not available.
<b>Relative density</b>	: 1.2
<b>Density ( lbs / gal )</b>	: 10.01
<b>Solubility</b>	: Soluble in the following materials: cold water.

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## Section 9. Physical and chemical properties

**Partition coefficient: n-octanol/water** : Not available.

**Viscosity** : Kinematic (40°C (104°F)): >0.21 cm<sup>2</sup>/s (>21 cSt)

**Volatility** : 69% (v/v), 57.19% (w/w)

**% Solid. (w/w)** : 42.81

## Section 10. Stability and reactivity

**Reactivity** : No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability** : The product is stable.

**Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid** : When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.

**Incompatible materials** : Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.

**Hazardous decomposition products** : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Titanium dioxide	LC50 Inhalation Dusts and mists	Rat	>6.82 mg/l	4 hours
	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Kaolin	LD50 Oral	Rat	>5000 mg/kg	-
Silicic acid, aluminum sodium salt	LD50 Oral	Rat	>27 g/kg	-

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Irritation/Corrosion

##### Conclusion/Summary

**Skin** : There are no data available on the mixture itself.

**Eyes** : There are no data available on the mixture itself.

**Respiratory** : There are no data available on the mixture itself.

#### Sensitization

##### Conclusion/Summary

**Skin** : There are no data available on the mixture itself.

United States

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## Section 11. Toxicological information

**Respiratory** : There are no data available on the mixture itself.

**Mutagenicity**

**Conclusion/Summary** : There are no data available on the mixture itself.

**Carcinogenicity**

**Conclusion/Summary** : There are no data available on the mixture itself.

**Classification**

Product/ingredient name	OSHA	IARC	NTP
titanium dioxide	-	2B	-

**Carcinogen Classification code:**

IARC: 1, 2A, 2B, 3, 4

NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen

OSHA: +

Not listed/not regulated: -

**Reproductive toxicity**

**Conclusion/Summary** : There are no data available on the mixture itself.

**Teratogenicity**

**Conclusion/Summary** : There are no data available on the mixture itself.

**Specific target organ toxicity (single exposure)**

Not available.

**Specific target organ toxicity (repeated exposure)**

Not available.

**Target organs**

: Contains material which causes damage to the following organs: eyes.  
 Contains material which may cause damage to the following organs: lungs, the nervous system, upper respiratory tract, stomach.

**Aspiration hazard**

Not available.

**Information on the likely routes of exposure**

**Potential acute health effects**

**Eye contact** : No known significant effects or critical hazards.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

**Over-exposure signs/symptoms**

**Eye contact** : No specific data.

**Inhalation** : No specific data.

**Skin contact** : No specific data.

**Ingestion** : No specific data.

**Delayed and immediate effects and also chronic effects from short and long term exposure**

## Section 11. Toxicological information

**Conclusion/Summary** : There are no data available on the mixture itself. This product contains TiO<sub>2</sub> which has been classified as a GHS Carcinogen Category 2 based on its IARC 2B classification. For many PPG products, TiO<sub>2</sub> is utilized as a raw material in a liquid coating formulation. In this case, the TiO<sub>2</sub> particles are bound in a matrix with no meaningful potential for human exposure to unbound particles of TiO<sub>2</sub> when the product is applied with a brush or roller. Sanding the coating surface or mist from spray applications may be harmful depending on the duration and level of exposure and require the use of appropriate personal protective equipment and/or engineering controls (see Section 8). Acrylate components of the mixture have irritating properties. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms, such as redness, blistering, dermatitis etc. May cause allergic skin reactions with repeated exposure. The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract. Ingestion may cause nausea, weakness and central nervous system effects. If splashed in the eyes, the liquid may cause irritation and reversible damage. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

### Short term exposure

**Potential immediate effects** : There are no data available on the mixture itself.

**Potential delayed effects** : There are no data available on the mixture itself.

### Long term exposure

**Potential immediate effects** : There are no data available on the mixture itself.

**Potential delayed effects** : There are no data available on the mixture itself.

### Potential chronic health effects

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
titanium dioxide	Acute LC50 >100 mg/l Fresh water	Daphnia - Daphnia magna	48 hours

### Persistence and degradability

Not available.

### Bioaccumulative potential

Not available.

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## Section 12. Ecological information

### Mobility in soil

Soil/water partition coefficient ( $K_{oc}$ ) : Not available.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

## 14. Transport information

	DOT	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.

### Additional information

DOT : None identified.

IMDG : None identified.

IATA : None identified.

## 14. Transport information

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## Section 15. Regulatory information

### United States

**United States inventory (TSCA 8b)** : All components are listed or exempted.

#### SARA 302/304

**SARA 304 RQ** : Not applicable.

#### Composition/information on ingredients

No products were found.

#### SARA 311/312

**Classification** : CARCINOGENICITY - Category 2

#### Composition/information on ingredients

Name	%	Classification
titanium dioxide	≥5.0 - ≤10	CARCINOGENICITY - Category 2

**Additional environmental information** is contained on the Environmental Data Sheet for this product, which can be obtained from your PPG representative.

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

**Health** : 1 \*    **Flammability** : 0    **Physical hazards** : 0

(\* ) - Chronic effects

**Caution:** HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on MSDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

### National Fire Protection Association (U.S.A.)

**Health** : 1    **Flammability** : 0    **Instability** : 0

**Date of previous issue** : 6/6/2018

**Organization that prepared the MSDS** : EHS

**Product code** 00409396

**Date of issue** 25 June 2018

**Version** 9.05

**Product name** GLN6012 GLIDDEN PREMIUM INTERIOR PAINT + PRIMER LATEX EGGSHELL  
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## Section 16. Other information

### Key to abbreviations

: ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973  
as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

✔ Indicates information that has changed from previously issued version.

### Disclaimer

*The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.*



# SAFETY DATA SHEET

Confirms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012

**GOO  
GONE.**

**Product:** Goo Gone Pro Power- 2036, 2037, 2044, 2068, 2098, 2181

**Revision Date:** 15-Jan-2016

## SECTION 1 – IDENTIFICATION

### Product Identifier

**Product Name:** Goo Gone Pro Power  
**Product Code:** 2036, 2037, 2044, 2068, 2098, 2181

### Recommended Use of the Chemical and Restrictions for Use

**Recommended Use:** Cleaner  
**Restrictions for Use:** Use only as directed.

### Details of the Supplier

**Manufacturer:** Goo Gone  
755 Tri-State Parkway  
Gurnee, IL 60031  
855-364-8135

### Emergency Phone Number

**24-Hour Number:** 1-800-535-5053  
**International:** 1-352-323-3500

## SECTION 2 – HAZARDS IDENTIFICATION

### Classification

Hazard Class	Category
Flammable liquid	4
Skin sensitization	1
Aspiration toxicity	1

### Label Elements

#### Hazard Symbols(s):



**Signal Word(s):** Danger

**Hazard Statement(s):** Combustible liquid. May cause an allergic skin reaction. May be fatal if swallowed and enters airways.

**Precautionary Statement(s):** Keep away from flames and hot surfaces. –No smoking. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/eye protection/face protection. If swallowed: immediately call a poison center/doctor. Do NOT induce vomiting. If on skin: Wash with plenty of water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents and container in accordance with all local, regional, national and international regulations.

### Other Hazards

None

## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Wt %
Petroleum distillates, hydrotreated light	64742-47-8	60-100
D-Limonene	5989-27-5	1-5
Orange, sweet, extract	8028-48-6	0.5-1.5

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

# SAFETY DATA SHEET

Confirms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012

**GOO  
GONE.**

**Product:** Goo Gone Pro Power- 2036, 2037, 2044, 2068, 2098, 2181

**Revision Date:** 15-Jan-2016

## SECTION 4 – FIRST AID MEASURES

### First Aid Measures

**Inhalation:** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

**Eye Contact:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

**Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.

**Skin:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

### Most Important Symptoms and Effects (Acute and Delayed)

**Inhalation:** May cause respiratory tract irritation.

**Eye Contact:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

**Ingestion:** May be fatal if swallowed and enters airways. This product may be aspirated into the lungs and cause chemical pneumonitis. May cause stomach distress, nausea or vomiting.

**Skin:** May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause sensitization by skin contact.

### Indication of any Immediate Medical Attention and Special Treatment Needed

**Note to Physician:** Treat symptomatically.

## SECTION 5 – FIRE FIGHTING MEASURES

### Extinguishing Media

**Suitable:** Treat for surrounding material.

**Unsuitable:** None known.

### Specific Hazards Arising from Chemical

Products of combustion include but are not limited to: oxides of carbon.

### Protective Equipment and Precautions for Firefighters

Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

**Personal Precautions:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition.

**Environmental Precautions:** See Section 12 for ecological information.

### Methods and Material for Containment and Cleaning Up

Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE). Scoop up material and place in a disposal container. Provide ventilation.

## SECTION 7 – HANDLING AND STORAGE

### Precautions for Safe Handling

**Handling:** Keep away from sources of ignition- No smoking. Avoid contact with skin and eyes. Avoid breathing vapor or mist. Do not swallow. Handle and open container with care. When using do not eat, drink, or smoke.

**General Hygiene Advice:** Launder contaminated clothing before use. Wash hands before eating, drinking, or smoking.

### Conditions for Safe Storage, Including any Incompatibilities

# SAFETY DATA SHEET

Confirms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012



**Product:** Goo Gone Pro Power- 2036, 2037, 2044, 2068, 2098, 2181

**Revision Date:** 15-Jan-2016

**Storage Conditions:** Keep locked up and out of reach of children. Keep container tightly closed and in a well-ventilated place. Keep cool.

**Incompatible Materials:** Oxidizers.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

#### **Exposure Guidelines:**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Petroleum distillates, hydrotreated light (64742-47-8)	Not available	Not available	Not available
D-Limonene (5989-27-5)	Not available	Not available	Not available
Orange, sweet, extract (8028-48-6)	Not available	Not available	Not available

### Appropriate Engineering Controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

### Individual Protection Measures

**Respiratory Protection:** None under normal conditions of use. In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Skin and Body Protection:** Wear suitable protective clothing.

**Eye/Face Protection:** Safety glasses or goggles are recommended when using product.

**General Work/Hygienic Practices:** Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Yellow liquid

**Odor:** Citrus

**Odor threshold:** Not determined

**pH:** Not determined

**Melting point/freezing point:** Not determined

**Initial boiling point and boiling range:** Not determined

**Flash point:** 85.6°C (186°F) TCC

**Evaporation rate:** Not determined

**Flammability (solid, gas):** Flammable

**Upper/lower flammability or explosive limits:** Not determined

**Vapor pressure:** Not determined

**Vapor density:** Not determined

**Relative density:** 0.80

**Solubility(ies):** Not determined

**Partition coefficient (n-octanol/water):** Not determined

**Auto-ignition temperature:** Not determined

**Decomposition temperature:** Not determined

**Viscosity:** Not determined

## SECTION 10 – STABILITY AND REACTIVITY

**Reactivity:** Not reactive under normal conditions.

**Chemical stability:** Stable under recommended storage conditions.

# SAFETY DATA SHEET

Confirms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012

**GOO  
GONE.**

**Product:** Goo Gone Pro Power- 2036, 2037, 2044, 2068, 2098, 2181

**Revision Date:** 15-Jan-2016

**Possibility of hazardous reactions:** None under normal use.

**Conditions to avoid:** Heat. Incompatible materials. Sources of ignition.

**Incompatible materials:** Oxidizers

**Hazardous decomposition products:** May include and are not limited to: oxides of carbon.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects

**Likely Routes of Exposure:** Inhalation, skin contact, eye contact, ingestion

### Information Related to Physical, Chemical, and Toxicological Effects

See section 4 of this SDS.

### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

**Carcinogenicity:** NTP: No IARC: No OSHA: No

### Numerical Measures of Toxicity

Product	
ATE (oral)	>2000 mg/kg, rat
ATE (dermal)	>2000 mg/kg, rabbit
ATE (inhalation)	Not available

### **Component Information:**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum distillates, hydrotreated light (64742-47-8)	>5000 mg/kg (rat)	>2000 mg/kg (rabbit)	>5.2 mg/l/4h
D-Limonene (5989-27-5)	4400 mg/kg (rat)	>5 g/kg (rabbit)	Not available
Orange, sweet, extract (8028-48-6)	>5000 mg/kg (rat)	>5000 mg/kg (rabbit)	Not available

## SECTION 12 - ECOLOGICAL INFORMATION

**Ecotoxicity:** Not established

**Persistence and degradability:** Not established

**Bioaccumulative potential:** Not established

**Mobility in soil:** No additional information available

**Other adverse effects:** No additional information available.

## SECTION 13 – DISPOSAL CONSIDERATIONS

See section 8 of this SDS for exposure controls and personal protection.

Dispose of the product and container in accordance with all applicable local, state, and federal regulations.

## SECTION 14 – TRANSPORT INFORMATION

**Note:** Classification changes based on quantity, packaging, and method of shipment. See current shipping paper for most up to date shipping information.

**DOT (Ground):** Not regulated- See 49 CFR 173.150(f) (2) as the product is not bulk packaged.

**IATA (Air):** Not regulated

**IMDG (Vessel):** Not regulated

## SECTION 15 – REGULATORY INFORMATION

All ingredients in this product are listed or are excluded from listing on the US Toxic Substances Act (TSCA) Chemical Substance Inventory.

## SECTION 16 – OTHER INFORMATION

# SAFETY DATA SHEET

Confirms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012



**Product:** Goo Gone Pro Power- 2036, 2037, 2044, 2068, 2098, 2181

**Revision Date:** 15-Jan-2016

**Issue Date:** 15-Jan-2016

**Revision Date:** 15-Jan-2016

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**

# SAFETY DATA SHEET

Confirms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012

**GOO  
GONE**

**Product:** Goo Gone- 2028, 2030, 2030A, 2050, 2053, 2082, 2086, 2087, 2089, 2090, 2092, 2035CLIP, 2095CLIP, 2129, 2139B, 2166D, 2221D

**Revision Date:** 28-Nov-2017

## SECTION 1 – IDENTIFICATION

### Product Identifier

**Product Name:** Goo Gone

**Product Code:** 2028, 2030, 2030A, 2050, 2053, 2082, 2086, 2087, 2089, 2090, 2092, 2035CLIP, 2095CLIP, 2129, 2139B, 2166D, 2221D

### Recommended Use of the Chemical and Restrictions for Use

**Recommended Use:** Cleaner

**Restrictions for Use:** Use only as directed.

### Details of the Supplier

**Manufacturer:** Goo Gone  
755 Tri-State Parkway  
Gurnee, IL 60031  
855-364-8135

### Emergency Phone Number

**24-Hour Number:** 1-800-535-5053

**International:** 1-352-323-3500

## SECTION 2 – HAZARDS IDENTIFICATION

### Classification

Hazard Class	Category
Flammable Liquid	4
Skin Sensitization	1
Aspiration Hazard	1

### Label Elements

**Hazard Symbols(s):**



**Signal Word(s):** Danger

**Hazard Statement(s):** Combustible liquid. May cause an allergic skin reaction. May be fatal if swallowed and enters airways.

**Precautionary Statement(s):** Keep away from flames and hot surfaces. No smoking. Avoid breathing fume/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/eye protection/face protection. If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin: Wash with plenty of water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents and container in accordance with all local, regional, national and international regulations.

### Other Hazards

None known

## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Wt %
Petroleum distillates, hydrotreated light	64742-47-8	60-100
D-Limonene	5989-27-5	1-5
Orange, sweet, extract	8028-48-6	0.5-1.5

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

# SAFETY DATA SHEET

Confirms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012

**GOO  
GONE.**

**Product:** Goo Gone- 2028, 2030, 2030A, 2050, 2053, 2082, 2086, 2087, 2089, 2090, 2092, 2035CLIP, 2095CLIP, 2129, 2139B, 2166D, 2221D

**Revision Date:** 28-Nov-2017

## SECTION 4 – FIRST AID MEASURES

### First Aid Measures

**Inhalation:** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

**Eye Contact:** Rinse immediately with water for at least 15 minutes. Remove contact lenses, if worn. If irritation persists, seek medical attention immediately.

**Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

**Skin:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash with soap and water. If irritation persists, seek medical attention.

### Most Important Symptoms and Effects (Acute and Delayed)

**Inhalation:** May cause respiratory track irritation.

**Eye Contact:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

**Ingestion:** May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

**Skin:** May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause sensitization by skin contact.

### Indication of any Immediate Medical Attention and Special Treatment Needed

**Note to Physician:** Treat symptomatically.

## SECTION 5 – FIRE FIGHTING MEASURES

### Extinguishing Media

**Suitable:** Treat for surrounding material.

**Unsuitable:** None known.

### Specific Hazards Arising from Chemical

Products of combustion include but are not limited to: oxides of carbon.

### Protective Equipment and Precautions for Firefighters

Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

**Personal Precautions:** Use personal protective equipment as required.

**Environmental Precautions:** See Section 12 for ecological information.

### Methods and Material for Containment and Cleaning Up

Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE). For cleaning up scoop up material and place in a disposal container. Provide ventilation.

## SECTION 7 – HANDLING AND STORAGE

### Precautions for Safe Handling

**Handling:** Keep away from sources of ignition. No smoking. Avoid contact with skin and eyes. Avoid breathing fume/mist/vapors/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.

**General Hygiene Advice:** Launder contaminated clothing before use. Wash hands before eating, drinking, or smoking.

# SAFETY DATA SHEET

Conforms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012

**Product:** Goo Gone- 2028, 2030, 2030A, 2050, 2053, 2082, 2086, 2087, 2089, 2090, 2092, 2035CLIP, 2095CLIP, 2129, 2139B, 2166D, 2221D

**Revision Date:** 28-Nov-2017

## Conditions for Safe Storage, Including any Incompatibilities

**Storage Conditions:** Keep container closed when not in use. Store in a dry, cool, and well-ventilated area. Keep out of reach of children.

**Incompatible Materials:** None known.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

#### **Exposure Guidelines:**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Petroleum distillates, hydrotreated light (64742-47-8)	200 mg/m <sup>3</sup>	100 ppm	Not available
D-Limonene (5989-27-5)	Not available	Not available	Not available
Orange, sweet, extract (8028-48-6)	Not available	Not available	Not available

### Appropriate Engineering Controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

### Individual Protection Measures

**Respiratory Protection:** None required under normal use conditions. In case of insufficient ventilation, wear suitable respiratory equipment.

**Skin and Body Protection:** Wear suitable protective clothing.

**Eye/Face Protection:** Safety glasses or goggles are recommended when using product.

**General Work/Hygienic Practices:** Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Yellow clear liquid

**Odor:** Citrus

**Odor threshold:** Not determined

**pH:** Not determined

**Melting point/freezing point:** Not determined

**Initial boiling point and boiling range:** Not determined

**Flash point:** 85°C (185°F) TCC

**Evaporation rate:** Not determined

**Flammability (solid, gas):** Flammable

**Upper/lower flammability or explosive limits:** Not determined

**Vapor pressure:** Not determined

**Vapor density:** Not determined

**Relative density:** 0.80

**Solubility(ies):** Not determined

**Partition coefficient (n-octanol/water):** Not determined

**Auto-ignition temperature:** Not determined

**Decomposition temperature:** Not determined

**Viscosity:** Not determined

## SECTION 10 – STABILITY AND REACTIVITY

**Reactivity:** Not reactive under normal conditions.

**Chemical stability:** Stable under recommended storage conditions.

Document No.: 130529-5  
Release Date: 1/10/2014

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# SAFETY DATA SHEET

Confirms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012

**GOO  
GONE.**

**Product:** Goo Gone- 2028, 2030, 2030A, 2050, 2053, 2082, 2086, 2087, 2089, 2090, 2092, 2035CLIP, 2095CLIP, 2129, 2139B, 2166D, 2221D

**Revision Date:** 28-Nov-2017

**Possibility of hazardous reactions:** None under normal use.

**Conditions to avoid:** Heat. Incompatible materials. Sources of ignition.

**Incompatible materials:** None known.

**Hazardous decomposition products:** May include and are not limited to: oxides of carbon.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects

**Likely Routes of Exposure:** Inhalation, skin contact, eye contact, ingestion

### Information Related to Physical, Chemical, and Toxicological Effects

See section 4 of this SDS.

### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

**Carcinogenicity:** NTP: No IARC: No OSHA: No

### Numerical Measures of Toxicity

Product	
ATE (oral)	>2000 mg/kg, rat
ATE (dermal)	>2000 mg/kg, rabbit
ATE (inhalation)	Not available

### **Component Information:**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum distillates, hydrotreated light (64742-47-8)	>5000 mg/kg, rat	>2000 mg/kg, rabbit	>5.2 mg/l/4h, rat
D-Limonene (5989-27-5)	4400 mg/kg, rat	>5000 mg/kg, rabbit	Not available
Orange, sweet, extract (8028-48-6)	>5000 mg/kg, rat	>5000 mg/kg, rabbit	Not available

## SECTION 12 - ECOLOGICAL INFORMATION

**Ecotoxicity:** Not established

**Persistence and degradability:** Not established

**Bioaccumulative potential:** Not established

**Mobility in soil:** No additional information available

**Other adverse effects:** No additional information available.

## SECTION 13 – DISPOSAL CONSIDERATIONS

See section 8 of this SDS for exposure controls and personal protection.

Dispose of the product and container in accordance with all applicable local, state, and federal regulations.

## SECTION 14 – TRANSPORT INFORMATION

**Note:** Classification changes based on quantity, packaging, and method of shipment. See current shipping paper for most up to date shipping information.

**DOT (Ground):** Not Regulated- See 49 CFR 173.150(f)(2) as the product is not bulk packaged.

**IATA (Air):** Not Regulated

**IMDG (Vessel):** Not Regulated

## SECTION 15 – REGULATORY INFORMATION

All ingredients in this product are listed or are excluded from listing on the US Toxic Substances Act (TSCA) Chemical Substance Inventory.

# SAFETY DATA SHEET

Confirms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012



**Product:** Goo Gone- 2028, 2030, 2030A, 2050, 2053, 2082, 2086, 2087, 2089, 2090, 2092, 2035CLIP, 2095CLIP, 2129, 2139B, 2166D, 2221D

**Revision Date:** 28-Nov-2017

This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC). The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration (OSHA) applicable to this Safety Data Sheet differ from the requirements of the CPSC and as a result, this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

## SECTION 16 – OTHER INFORMATION

**Issue Date:** 23-Aug-2017

**Revision Date:** 28-Nov-2017

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**



# SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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## Gunk Liquid Wrench

Revision 0

Revision date 2011-03-01

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name	Gunk Liquid Wrench
--------------	--------------------

#### 1.3. Details of the supplier of the safety data sheet

Company	Granville Oil & Chemicals Ltd
Address	29 Goldthorpe Industrial Estate Goldthorpe, Rotherham, S63 9BL ENGLAND
Telephone	+44 (0) 1709 890099
Fax	+44 (0) 1709 891121

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC	F+; R12 Xn; R65 R52/53-66-67
Main hazards	Extremely flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

#### 67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EINECS No.	REACH Registration Number	Conc. (%w/w)	Classification
Naptha (petroleum) hydrotreated light..		64742-49-0			10 - 20%	Xn; R65 R66-67
Butane	601-004-00-0	106-97-8	203-448-7		10 - 20%	F+; R12
Naptha (petroleum), hydrotreated light.		64742-49-0	265-151-9		10 - 20%	F; R11 Xn; R65 Xi; R38 N; R51/53 R67

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Keep the affected person warm and at rest. If breathing stops, provide artificial respiration. Give nothing by mouth. If unconscious place in the recovery position. Seek medical attention.
Eye contact	May cause irritation to eyes. Contact lenses should be removed. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention.
Skin contact	May cause irritation to skin. Remove contaminated clothing. Wash with soap and water. Do not use solvents or thinners as skin cleaning agents. Seek medical attention if irritation or symptoms persist.

## Gunk Liquid Wrench

Revision 0  
Revision date 2011-03-01

## 4.1. Description of first aid measures

Ingestion	If swallowed, seek medical advice immediately and show this container or label. DO NOT INDUCE VOMITING.
-----------	---

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

	Alcohol resistant foam. Carbon dioxide (CO <sub>2</sub> ). Dry powder. Water spray. Do NOT use high pressure inert gas or water jet. Cool fire exposed containers with waterspray.
--	--

## 5.2. Special hazards arising from the substance or mixture

	Vapour may travel considerable distance to source of ignition and flash back. Fire may produce dense black smoke containing hazardous combustion products. Decomposition products may be a hazard to health. Do not allow run-off from fire fighting to enter drains or watercourses.
--	---

## 5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary. Self-contained breathing apparatus.
--	---

## SECTION 6: Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Eliminate all sources of ignition. Wear suitable protective equipment. Avoid breathing vapours.
--	---

## 6.2. Environmental precautions

	Prevent further spillage if safe. Do not allow to enter drains, sewers or watercourses. If the product enters drains or sewers the local water company should be informed immediately. In the case of contamination of streams, rivers or lakes inform the relevant Environment Agency. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixture with air.
--	---

## 6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean with detergents. Avoid solvents.
--	---

## SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Keep in a cool, dry, well ventilated area. Do not use sparking tools around aerosols. Do not breathe gas/fumes/vapour/spray. Never apply pressure to the aerosol - the aerosol is a pressurised object and may explode if pressure is applied. Keep away from sources of ignition - No smoking.
--	---

## 7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers. The accumulation of vapours in an enclosed space may result in spontaneous combustion. Store at temperatures between 5 and 25 deg C. Keep out of direct sunlight.
--	--

## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

## 8.1.1. Exposure Limit Values

Butane	WEL 8-hr limit ppm: 600	WEL 8-hr limit mg/m <sup>3</sup> : 1450
	WEL 15 min limit ppm: 750	WEL 15 min limit mg/m <sup>3</sup> : 1810

## 8.2. Exposure controls

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear chemical protective clothing.
Eye / face protection	Approved safety goggles.

## Gunk Liquid Wrench

Revision 0

Revision date 2011-03-01

## 8.2. Exposure controls

<b>Skin protection - Handprotection</b>	Chemical resistant gloves (PVC).
<b>Respiratory protection</b>	Wear suitable respiratory equipment when necessary.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

<b>Colour</b>	Brown
<b>Odour</b>	Characteristic
<b>Flash point</b>	-12°C
<b>Description</b>	Aerosol

## SECTION 10: Stability and reactivity

## 10.2. Chemical stability

	Stable under normal conditions.
--	---------------------------------

## 10.3. Possibility of hazardous reactions

	Store separately from oxidising agents and strongly alkaline and strongly acidic materials.
--	---

## 10.4. Conditions to avoid

	Heat, sparks and open flames. Wet and damp storage conditions.
--	--

## 10.6. Hazardous decomposition products

	In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide and oxides of nitrogen may be produced.
--	--

## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

<b>Acute toxicity</b>	This chemical can be hazardous when inhaled and/or touched. Irritant of eyes and mucous membranes. Gas or vapour is harmful on prolonged contact or in high concentration. This chemical can be hazardous when inhaled and/or touched. Irritant of eyes and mucous membranes. Narcotic effect, CNC depressant. Acute eczematous dermatitis, contact type erythema, oedema, papules, vesiclesm bullae, crusts, desquamation.
<b>Repeated or prolonged exposure</b>	Repeated exposure may cause chronic eye irritation. May cause chemical eye burns. Swallowing concentrated chemical may cause severe internal injury, unconsciousness and death.

## SECTION 12: Ecological information

## 12.1. Toxicity

	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
--	---

## 12.2. Persistence and degradability

	The majority of this product is inherently biodegradable, oxidising rapidly by photochemical reactions in air. The remaining chemicals degrade in soil abiotically to form smaller molecules which are either biodegraded in soil or volatilised into the air.
--	--

## 12.3. Bioaccumulative potential

	This product has the potential to bioaccumulate.
--	--

## 12.4. Mobility in soil

	Insoluble in water; will float on water. The majority of this product will evaporate within a day from water or soil surfaces leaving a chemical that will bind to particulate matter to form sediments.
--	--

## SECTION 13: Disposal considerations

## General information

	Dispose of in compliance with all local and national regulations.
--	---

## Disposal methods

## Gunk Liquid Wrench

Revision 0

Revision date 2011-03-01

## Disposal methods

Do not allow to enter drains, sewers or watercourses. Wastes, including emptied aerosols, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. Using the information provided in the safety data sheet, advice should be obtained from the relevant environment agency whether the special waste regulations apply.

## SECTION 14: Transport information

## Hazard pictograms

## Hazard pictograms



## 14.1. UN number

UN1950

## 14.2. UN proper shipping name

## Proper Shipping Name

AEROSOLS

## 14.3. Transport hazard class(es)

## ADR/RID

2

## IMDG

2

## Subsidiary risk

see SP63

## IATA

2

## Subsidiary risk

see SP63

## 14.4. Packing group

## Packing group

-

## 14.5. Environmental hazards

## Environmental hazards

No

## Marine pollutant

No

## ADR/RID

## Hazard ID

-

## Tunnel Category

D

## IMDG

## EmS Code

F-D S-U

## SECTION 15: Regulatory information

## Labelling

## Symbols

The product is classified in accordance with 67/548/EEC.

F+: Extremely flammable. Xn: Harmful.



## Risk phrases

R12 - Extremely flammable.

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 - Harmful: may cause lung damage if swallowed.

R66 - Repeated exposure may cause skin dryness or cracking.

R67 - Vapours may cause drowsiness and dizziness.

## Gunk Liquid Wrench

Revision 0

Revision date 2011-03-01

## Labelling

## Safety phrases

S16 - Keep away from sources of ignition - No smoking.  
 S2 - Keep out of the reach of children.  
 S23 - Do not breathe gas/fumes/vapour/spray.  
 S29/35 - Do not empty into drains; dispose of this material and its container in a safe way.  
 S36 - Wear suitable protective clothing.  
 S46 - If swallowed, seek medical advice immediately and show this container or label.  
 S51 - Use only in well-ventilated areas.  
 S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.  
 S9 - Keep container in a well-ventilated place.

## SECTION 16: Other information

## Other information

## Text of risk phrases in Section 3

R11 - Highly flammable.  
 R12 - Extremely flammable.  
 R36/38 - Irritating to eyes and skin.  
 R38 - Irritating to skin.  
 R41 - Risk of serious damage to eyes.  
 R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 R65 - Harmful: may cause lung damage if swallowed.  
 R66 - Repeated exposure may cause skin dryness or cracking.  
 R67 - Vapours may cause drowsiness and dizziness.

## Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

## Safety Data Sheet

Document Group: 32-8843-8      Version Number: 1.00  
Issue Date: 2015/08/07      Supercedes Date: Initial Issue

This Safety Data Sheet has been prepared in accordance with the JIS-GHS and its modifications.

This Safety Data Sheet is published for the Japan region and the information on this SDS is may not be applicable for other countries or regions.

### SECTION 1: Identification

#### 1.1. Product identifier

Hard 2-L 5985

#### 1.2. Suppliers details

Research Technology International, Inc.  
4700 W Chase Ave  
Lincolnwood, IL 60712  
EMERGENCY CONTACT NUMBER  
CHEMTREC 1-800-262-8200

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

Skin Sensitizer: Category 1.

Specific Target Organ Toxicity (central nervous system): Category 3.

#### 2.2. Label elements

##### SIGNAL WORD

Warning

##### Symbols

Exclamation Mark |

##### Pictograms





**HAZARD STATEMENTS**

H317 May cause an allergic skin reaction.  
 H336 May cause drowsiness or dizziness.

**PRECAUTIONARY STATEMENTS**

**Prevention:**

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
 P280E Wear protective gloves.

**Response:**

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

**SECTION 3: Composition/information on ingredients**

This material is a mixture.

Ingredient	C.A.S. No.	% by Wt
WATER	7732-18-5	55 - 75
Aluminum Oxide	1344-28-1	5 - 15
PETROLEUM	Trade Secret	5 - 10
HYDROTREATED LIGHT PETROLEUM DISTILLATES	64742-47-8	5 - 10
White mineral oil (petroleum)	8042-47-5	1 - 5
SYNTHETIC ISOPARAFFINIC HYDROCARBON	Trade Secret	1 - 5
GLYCERIN	56-81-5	1 - 5
Triethanolamine	102-71-6	< 0.5
Stabilizer	Trade Secret	< 0.1
Stabilizer	Trade Secret	< 0.01

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**Inhalation:**

Remove person to fresh air. If you feel unwell, get medical attention.

**Skin Contact:**

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

**Eye Contact:**

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

**If Swallowed:**

Rinse mouth. If you feel unwell, get medical attention.

**4.2. Most important symptoms and effects, both acute and delayed**

See Section 11.1. Information on toxicological effects.

**4.3. Indication of any immediate medical attention and special treatment required**

Not applicable.

**SECTION 5: Fire-fighting measures**

**5.1. Suitable extinguishing media**

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

**5.2. Special hazards arising from the substance or mixture**

None inherent in this product.

**5.3. Special protective actions for fire-fighters**

No special protective actions for fire-fighters are anticipated.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice.

**6.2. Environmental precautions**

Avoid release to the environment.

**6.3. Methods and material for containment and cleaning up**

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Seal the container. Dispose of collected material as soon as possible.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

For industrial or professional use only. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Combustible dust may form by action of this product on another material (substrate). Dust generated from the substrate during use of this product may be explosive

if in sufficient concentration with an ignition source. Dust deposits should not be allowed to accumulate on surfaces because of the potential for secondary explosions.

### 7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Store away from heat. Store away from acids.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

Ingredient	C.A.S. No.	Agency	Limit type	Additional Comments
Triethanolamine	102-71-6	ACGIH	TWA:5 mg/m <sup>3</sup>	
Aluminum Oxide	1344-28-1	JSOH OELs	TWA(as respirable dust)(8 hours):0.5 mg/m <sup>3</sup> ;TWA(as total dust)(8 hours):2 mg/m <sup>3</sup>	
Aluminum, insoluble compounds	1344-28-1	ACGIH	TWA(respirable fraction):1 mg/m <sup>3</sup>	A4: Not class. as human carcin
JET FUELS (NON-AEROSOL), AS TOTAL HYDROCARBON VAPOR	64742-47-8	ACGIH	TWA(as total hydrocarbon vapor, non-aerosol):200 mg/m <sup>3</sup>	A3: Confirmed animal carcin., Skin Notation
Kerosine (petroleum)	64742-47-8	ACGIH	TWA(as total hydrocarbon vapor, non-aerosol):200 mg/m <sup>3</sup>	A3: Confirmed animal carcin., Skin Notation
MINERAL OILS, HIGHLY-REFINED OILS	8042-47-5	ACGIH	TWA(inhalable fraction):5 mg/m <sup>3</sup>	A4: Not class. as human carcin
OIL MIST, MINERAL	8042-47-5	JSOH OELs	TWA(as mist)(8 hours):3 mg/m <sup>3</sup>	I: Known carcinogen
PETROLEUM	Trade Secret	Manufacturer determined	TWA:100 ppm	

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

ISHL : Japan. ISHL. (Workplace Environment Assessment Standards)

JSOH OELs : Japan. JSOH. (Japan Society of Occupational Health: Advisory Opinion on Permissible [Exposure] Limits)

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

ppm: parts per million

mg/m<sup>3</sup>: milligrams per cubic metre

CEIL: Ceiling

### 8.2. Exposure controls

#### 8.2.1. Engineering controls

Provide appropriate local exhaust ventilation for cutting, grinding, sanding or machining. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment. Provide local exhaust at process emission sources to control exposure near the source and to prevent the escape of dust into the work area. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

#### 8.2.2. Personal protective equipment (PPE)

##### Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face

protection(s) are recommended:  
Safety Glasses with side shields

#### Skin/hand protection

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity. Gloves made from the following material(s) are recommended: Polymer laminate

If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary. Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended: Apron - polymer laminate

#### Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapors and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	Liquid
Specific Physical Form:	Emulsion
Appearance/Odor	petroleum odor, white
Odor threshold	<i>No Data Available</i>
pH	8.1 - 8.5
Melting point/Freezing point	<i>No Data Available</i>
Boiling point/Initial boiling point/Boiling range	100 °C
Flash Point	94 °C
Evaporation rate	[Ref Std: BUOAC=1] <i>No Data Available</i>
Flammability (solid, gas)	Not Applicable
Flammable Limits(LEL)	<i>No Data Available</i>
Flammable Limits(UEL)	<i>No Data Available</i>
Vapor Pressure	<i>No Data Available</i>
Vapor Density	[Ref Std: AIR=1] <i>No Data Available</i>
Density	<i>No Data Available</i>
Relative Density	[Ref Std: WATER=1] <i>No Data Available</i>
Water solubility	<i>No Data Available</i>

Solubility- non-water	Complete
Partition coefficient: n-octanol/ water	No Data Available
Autoignition temperature	No Data Available
Decomposition temperature	No Data Available
Viscosity	14 - 21 Pa-s
Volatile Organic Compounds	No Data Available
Percent volatile	No Data Available
VOC Less H2O & Exempt Solvents	No Data Available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section.

### 10.2. Chemical stability

Stable.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Heat

Temperatures above the boiling point

### 10.5. Incompatible materials

Strong acids

### 10.6. Hazardous decomposition products

<u>Substance</u>	<u>Condition</u>
Carbon monoxide	Not Specified
Carbon dioxide	Not Specified
Toxic Vapor, Gas, Particulate	Not Specified

## SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be

relevant to the material as a whole.

### 11.1. Information on Toxicological effects

#### Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

##### **Inhalation:**

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Dust from cutting, grinding, sanding or machining may cause irritation of the respiratory system. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

May cause additional health effects (see below).

##### **Skin Contact:**

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness. Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

##### **Eye Contact:**

Contact with the eyes during product use is not expected to result in significant irritation. Dust created by cutting, grinding, sanding, or machining may cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

##### **Ingestion:**

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

May cause additional health effects (see below).

#### Additional Health Effects:

##### **Single exposure may cause target organ effects:**

Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

**Toxicological Data**

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

**Acute Toxicity**

Name	Route	Species	Value
Overall product	Dermal		No data available; calculated ATE > 5,000 mg/kg
Overall product	Inhalation-Vapor(4 hr)		No data available; calculated ATE > 50 mg/l
Overall product	Ingestion		No data available; calculated ATE > 5,000 mg/kg
Aluminum Oxide	Dermal		LD50 estimated to be > 5,000 mg/kg
Aluminum Oxide	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 2.3 mg/l
Aluminum Oxide	Ingestion	Rat	LD50 > 5,000 mg/kg
HYDROTREATED LIGHT PETROLEUM DISTILLATES	Dermal	Rabbit	LD50 > 3,160 mg/kg
HYDROTREATED LIGHT PETROLEUM DISTILLATES	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 3 mg/l
HYDROTREATED LIGHT PETROLEUM DISTILLATES	Ingestion	Rat	LD50 > 5,000 mg/kg
PETROLEUM	Inhalation-Vapor		LC50 estimated to be 20 - 50 mg/l
PETROLEUM	Dermal	Rabbit	LD50 > 3,000 mg/kg
PETROLEUM	Ingestion	Rat	LD50 > 5,000 mg/kg
GLYCERIN	Dermal	Rabbit	LD50 estimated to be > 5,000 mg/kg
GLYCERIN	Ingestion	Rat	LD50 > 5,000 mg/kg
White mineral oil (petroleum)	Dermal	Rabbit	LD50 > 2,000 mg/kg
White mineral oil (petroleum)	Ingestion	Rat	LD50 > 5,000 mg/kg
Triethanolamine	Dermal	Rabbit	LD50 > 2,000 mg/kg
Triethanolamine	Ingestion	Rat	LD50 9,000 mg/kg
Stabilizer	Dermal	Rabbit	LD50 87 mg/kg
Stabilizer	Inhalation-Dust/Mist (4 hours)	Rat	LC50 0.33 mg/l
Stabilizer	Ingestion	Rat	LD50 40 mg/kg
Stabilizer	Dermal	Rabbit	LD50 87 mg/kg
Stabilizer	Inhalation-Dust/Mist (4 hours)	Rat	LC50 0.33 mg/l
Stabilizer	Ingestion	Rat	LD50 40 mg/kg

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

Name	Species	Value
Aluminum Oxide	Rabbit	No significant irritation
HYDROTREATED LIGHT PETROLEUM DISTILLATES	Rabbit	Mild irritant
PETROLEUM	Rabbit	Irritant
GLYCERIN	Rabbit	No significant irritation
White mineral oil (petroleum)	Rabbit	No significant irritation
Triethanolamine	Rabbit	Minimal irritation
Stabilizer	Rabbit	Corrosive
Stabilizer	Rabbit	Corrosive

**Serious Eye Damage/Irritation**

Name	Species	Value
Aluminum Oxide	Rabbit	No significant irritation
HYDROTREATED LIGHT PETROLEUM DISTILLATES	Rabbit	Mild irritant
PETROLEUM	Rabbit	No significant irritation
GLYCERIN	Rabbit	No significant irritation
White mineral oil (petroleum)	Rabbit	Mild irritant
Triethanolamine	Rabbit	Mild irritant
Stabilizer	Rabbit	Corrosive
Stabilizer	Rabbit	Corrosive

**Skin Sensitization**

Name	Species	Value
HYDROTREATED LIGHT PETROLEUM DISTILLATES	Guinea pig	Not sensitizing
PETROLEUM	Guinea pig	Not sensitizing
GLYCERIN	Guinea pig	Not sensitizing
White mineral oil (petroleum)	Guinea pig	Not sensitizing
Triethanolamine	Human	Some positive data exist, but the data are not sufficient for classification
Stabilizer	Human and animal	Sensitizing
Stabilizer	Human and animal	Sensitizing

**Photosensitization**

Name	Species	Value
Stabilizer	Human and animal	Not sensitizing
Stabilizer	Human and animal	Not sensitizing

**Respiratory Sensitization**

For the component/components, either no data are currently available or the data are not sufficient for classification.

**Germ Cell Mutagenicity**

Name	Route	Value
Aluminum Oxide	In Vitro	Not mutagenic
HYDROTREATED LIGHT PETROLEUM DISTILLATES	In Vitro	Not mutagenic



PETROLEUM	In vivo	Not mutagenic
PETROLEUM	In Vitro	Some positive data exist, but the data are not sufficient for classification
White mineral oil (petroleum)	In Vitro	Not mutagenic
Triethanolamine	In Vitro	Not mutagenic
Triethanolamine	In vivo	Not mutagenic
Stabilizer	In vivo	Not mutagenic
Stabilizer	In Vitro	Some positive data exist, but the data are not sufficient for classification
Stabilizer	In vivo	Not mutagenic
Stabilizer	In Vitro	Some positive data exist, but the data are not sufficient for classification

**Carcinogenicity**

Name	Route	Species	Value
Aluminum Oxide	Inhalation	Rat	Not carcinogenic
HYDROTREATED LIGHT PETROLEUM DISTILLATES	Dermal	Mouse	Some positive data exist, but the data are not sufficient for classification
PETROLEUM	Dermal	Mouse	Some positive data exist, but the data are not sufficient for classification
PETROLEUM	Inhalation	Human and animal	Some positive data exist, but the data are not sufficient for classification
GLYCERIN	Ingestion	Mouse	Some positive data exist, but the data are not sufficient for classification
White mineral oil (petroleum)	Dermal	Mouse	Not carcinogenic
White mineral oil (petroleum)	Inhalation	Multiple animal species	Not carcinogenic
Triethanolamine	Dermal	Multiple animal species	Not carcinogenic
Triethanolamine	Ingestion	Mouse	Some positive data exist, but the data are not sufficient for classification
Stabilizer	Dermal	Mouse	Not carcinogenic
Stabilizer	Ingestion	Rat	Not carcinogenic
Stabilizer	Dermal	Mouse	Not carcinogenic
Stabilizer	Ingestion	Rat	Not carcinogenic

**Reproductive Toxicity**

**Reproductive and/or Developmental Effects**

Name	Route	Value	Species	Test Result	Exposure Duration
PETROLEUM	Inhalation	Not toxic to development	Rat	NOAEL 2.4 mg/l	during organogenesis
GLYCERIN	Ingestion	Not toxic to female reproduction	Rat	NOAEL 2,000 mg/kg/day	2 generation
GLYCERIN	Ingestion	Not toxic to male reproduction	Rat	NOAEL 2,000 mg/kg/day	2 generation
GLYCERIN	Ingestion	Not toxic to development	Rat	NOAEL 2,000 mg/kg/day	2 generation
White mineral oil (petroleum)	Ingestion	Not toxic to female reproduction	Rat	NOAEL 4,350 mg/kg/day	13 weeks
White mineral oil (petroleum)	Ingestion	Not toxic to male reproduction	Rat	NOAEL 4,350 mg/kg/day	13 weeks
White mineral oil (petroleum)	Ingestion	Not toxic to development	Rat	NOAEL 4,350	during gestation

Triethanolamine	Ingestion	Not toxic to development	Mouse	mg/kg/day NOAEL 1,125 mg/kg/day	during organogenesis
Stabilizer	Ingestion	Not toxic to female reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
Stabilizer	Ingestion	Not toxic to male reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
Stabilizer	Ingestion	Not toxic to development	Rat	NOAEL 15 mg/kg/day	during organogenesis
Stabilizer	Ingestion	Not toxic to female reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
Stabilizer	Ingestion	Not toxic to male reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
Stabilizer	Ingestion	Not toxic to development	Rat	NOAEL 15 mg/kg/day	during organogenesis

### Target Organ(s)

#### Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
HYDROTREATED LIGHT PETROLEUM DISTILLATES	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human and animal	NOAEL Not available	
HYDROTREATED LIGHT PETROLEUM DISTILLATES	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		NOAEL Not available	
PETROLEUM	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human and animal	NOAEL Not available	
PETROLEUM	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		NOAEL Not available	
PETROLEUM	Inhalation	nervous system	Some positive data exist, but the data are not sufficient for classification	Dog	NOAEL 6.5 mg/l	4 hours
PETROLEUM	Ingestion	central nervous system depression	May cause drowsiness or dizziness	Professional judgement	NOAEL Not available	
Stabilizer	Inhalation	respiratory irritation   respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	

#### Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
Aluminum Oxide	Inhalation	pneumoconiosis   pulmonary fibrosis	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL Not available	occupational exposure
PETROLEUM	Inhalation	nervous system	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL 4.6 mg/l	6 months
PETROLEUM	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL 1.9 mg/l	13 weeks
PETROLEUM	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for	Multiple animal	NOAEL 0.6 mg/l	90 days

			classification	species		
PETROLEUM	Inhalation	bone, teeth, nails, and/or hair   blood   liver   muscles	All data are negative	Rat	NOAEL 5.6 mg/l	12 weeks
PETROLEUM	Inhalation	heart	All data are negative	Multiple animal species	NOAEL 1.3 mg/l	90 days
GLYCERIN	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 3.91 mg/l	14 days
GLYCERIN	Inhalation	heart   liver   kidney and/or bladder	All data are negative	Rat	NOAEL 3.91 mg/l	14 days
GLYCERIN	Ingestion	endocrine system   hematopoietic system   liver   kidney and/or bladder	All data are negative	Rat	NOAEL 10,000 mg/kg/day	2 years
White mineral oil (petroleum)	Ingestion	hematopoietic system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 1,381 mg/kg/day	90 days
White mineral oil (petroleum)	Ingestion	liver   immune system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 1,336 mg/kg/day	90 days
Triethanolamine	Dermal	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Multiple animal species	NOAEL 2,000 mg/kg/day	2 years
Triethanolamine	Dermal	liver	Some positive data exist, but the data are not sufficient for classification	Mouse	NOAEL 4,000 mg/kg/day	13 weeks
Triethanolamine	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL 1,000 mg/kg/day	2 years
Triethanolamine	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification	Guinea pig	NOAEL 1,600 mg/kg/day	24 weeks

**Aspiration Hazard**

Name	Value
HYDROTREATED LIGHT PETROLEUM DISTILLATES	Aspiration hazard
PETROLEUM	Aspiration hazard
White mineral oil (petroleum)	Aspiration hazard

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

**SECTION 12: Ecological information**

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labeling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

**12.1. Toxicity****Acute aquatic hazard:**

Not acutely toxic to aquatic life by GHS criteria.

**Chronic aquatic hazard:**

Not chronically toxic to aquatic life by GHS criteria.

No product test data available

Material	Cas #	Organism	Type	Exposure	Test Endpoint	Test Result
Stabilizer	Trade Secret	Rainbow Trout	Laboratory	96 hours	Lethal Concentration 50%	0.19 mg/l
Stabilizer	Trade Secret	Green algae	Laboratory	96 hours	Effect Concentration 50%	0.062 mg/l
Stabilizer	Trade Secret	Water flea	Laboratory	48 hours	Effect Concentration 50%	0.18 mg/l
GLYCERIN	56-81-5	Water flea	Experimental	24 hours	Effect Concentration 50%	>10,000 mg/l
GLYCERIN	56-81-5	Goldfish	Experimental	24 hours	Lethal Concentration 50%	>5,000 mg/l
Aluminum Oxide	1344-28-1	Green algae	Experimental	72 hours	Effect Concentration 50%	>100 mg/l
Aluminum Oxide	1344-28-1	Water flea	Experimental	48 hours	Effect Concentration 50%	>100 mg/l
Aluminum Oxide	1344-28-1	Fish	Experimental	96 hours	Lethal Concentration 50%	>100 mg/l
White mineral oil (petroleum)	8042-47-5	Bluegill	Experimental	96 hours	Lethal Level 50%	>100 mg/l
Stabilizer	Trade Secret	Water flea	Laboratory	21 days	No obs Effect Conc	0.172 mg/l
GLYCERIN	56-81-5		Modeled - using QSAR		No obs Effect Conc	>5,000 mg/l
Aluminum Oxide	1344-28-1	Green algae	Experimental	72 hours	No obs Effect Conc	>100 mg/l
White mineral oil (petroleum)	8042-47-5	Water flea	Experimental	21 days	No obs Effect Conc	>100 mg/l
HYDROTREATED LIGHT PETROLEUM DISTILLATES	64742-47-8		Data not available or insufficient for classification			
PETROLEUM	Trade Secret		Data not available or insufficient for classification			

**12.2. Persistence and degradability**

Material	CAS No.	Test Type	Duration	Study Type	Test Result	Protocol
Aluminum Oxide	1344-28-1	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
PETROLEUM	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
HYDROTREATED LIGHT PETROLEUM DISTILLATES	64742-47-8	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
GLYCERIN	56-81-5	Experimental Biodegradation	14 days	Biological Oxygen Demand	63 % weight	OECD 301C - MITI (I)
White mineral oil (petroleum)	8042-47-5	Experimental Biodegradation	28 days	Carbon dioxide evolution	0 % weight	OECD 301B - Mod. Sturm or CO2
Stabilizer	Trade Secret	Laboratory Biodegradation	21 days	Biological Oxygen Demand	80 % weight	Other methods

### 12.3. Bioaccumulative potential

Material	CAS No.	Test Type	Duration	Study Type	Test Result	Protocol
White mineral oil (petroleum)	8042-47-5	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
PETROLEUM	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Aluminum Oxide	1344-28-1	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
HYDROTREATED LIGHT PETROLEUM DISTILLATES	64742-47-8	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
GLYCERIN	56-81-5	Experimental Bioconcentration		Log of Octanol/H2O part. coeff	-1.76	Other methods
Stabilizer	Trade Secret	Laboratory Bioaccumulation		Log of Octanol/H2O part. coeff	0.4	Other methods

### 12.4. Mobility in soil

Please contact manufacturer for more details

#### 12.5. Hazardous to Ozone layer

No data available

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

### SECTION 14: Transport Information

Not hazardous for transportation. Follow general precautions described in Handling and storage section.

### SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Regulated chemicals by Japanese law

Chemical substance	Japanese law		Poisonous & deleterious law
	ISHL Notification No.	PRTR: PRTR Law No.	
PETROLEUM	330 (PETROLEUM NAPHTHA)	N/A	N/A
White mineral oil (petroleum)	168 (MINERAL OIL)	N/A	N/A
Aluminum Oxide	189 (ALUMINUM OXIDE)	N/A	N/A
Triethanolamine	381 (TRIETHANOLAMINE)	N/A	N/A
HYDROTREATED LIGHT PETROLEUM DISTILLATES	380 (KEROSENE)	N/A	N/A
	551 (MINERAL SPIRIT)		

#### Applicable Japanese laws

Industrial Safety and Health Law : Organic solvent (Ordinance Annex No.6-2)

Fire Fighting Law : Designated flammable goods (Combustible liquid)

Industrial Safety and Health Law : Notification Chemicals (Ordinance Article No.18-2)

### SECTION 16: Other information

#### Revision information:

No revision information

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.

# SAFETY DATA SHEET

2519

## Section 1. Identification

**Product name** : KRYLON® Fusion for Plastic®  
Flat Black

**Product code** : 2519

**Other means of identification** : Not available.

**Product type** : Aerosol.

**Relevant identified uses of the substance or mixture and uses advised against**

Not applicable.

**Manufacturer** : Krylon Products Group  
101 W. Prospect Avenue  
Cleveland, OH 44115

**Emergency telephone number of the company** : US / Canada: (216) 566-2917  
Mexico: SETIQ 01-800-00-214-00 / (52) 55-5559-1588 24 hours / 365 days a year

**Product Information Telephone Number** : US / Canada: (800) 457-9566  
Mexico: Not Available

**Regulatory Information Telephone Number** : US / Canada: (216) 566-2902  
Mexico: Not Available

**Transportation Emergency Telephone Number** : US / Canada: (216) 566-2917  
Mexico: SETIQ 01-800-00-214-00 / (52) 55-5559-1588 24 hours / 365 days a year

## Section 2. Hazards identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** : FLAMMABLE AEROSOLS - Category 1  
GASES UNDER PRESSURE - Compressed gas  
SKIN CORROSION/IRRITATION - Category 2  
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A  
SKIN SENSITIZATION - Category 1  
CARCINOGENICITY - Category 2  
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3  
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3  
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (lungs) - Category 1  
ASPIRATION HAZARD - Category 1

Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 35.7%  
Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 66.6%  
Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 71.2%

### GHS label elements

**Hazard pictograms** :



**Signal word** : Danger

**Date of issue/Date of revision** : 1/15/2018 **Date of previous issue** : 10/10/2017 **Version** : 7 1/17

2519 KRYLON® Fusion for Plastic®  
Flat Black



## Section 2. Hazards identification

<b>Hazard statements</b>	: Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Suspected of causing cancer. May be fatal if swallowed and enters airways. May cause respiratory irritation. May cause drowsiness or dizziness. Causes damage to organs through prolonged or repeated exposure. (lungs)
<b>Precautionary statements</b>	
<b>General</b>	: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
<b>Prevention</b>	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Use only outdoors or in a well-ventilated area. Do not breathe dust or mist. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Pressurized container: Do not pierce or burn, even after use.
<b>Response</b>	: Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
<b>Storage</b>	: Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place.
<b>Disposal</b>	: Dispose of contents and container in accordance with all local, regional, national and international regulations.
<b>Supplemental label elements</b>	DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.  Please refer to the SDS for additional information. Keep out of reach of children. Keep upright in a cool, dry place. Do not discard empty can in trash compactor.
<b>Hazards not otherwise classified</b>	: DANGER: Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations.

## Section 3. Composition/information on ingredients

<b>Substance/mixture</b>	: Mixture
<b>Other means of identification</b>	: Not available.
<b>CAS number/other identifiers</b>	

## Section 3. Composition/information on ingredients

Ingredient name	% by weight	CAS number
Acetone	29.15	67-64-1
Propane	20.4	74-98-6
n-Butyl Acetate	14.28	123-86-4
Butane	9.6	106-97-8
Talc	7.34	14807-96-6
Lt. Aliphatic Hydrocarbon Solvent	5.71	64742-89-8
Ethyl 3-Ethoxypropionate	1.7	763-69-9
Xylene	1.59	1330-20-7
Carbon Black	0.56	1333-86-4
Ethylbenzene	0.45	100-41-4
Unsaturated Fatty Acids	0.23	

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.
- Skin contact** : Causes skin irritation. May cause an allergic skin reaction.
- Ingestion** : Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.

#### Over-exposure signs/symptoms

## Section 4. First aid measures

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing  
nausea or vomiting  
headache  
drowsiness/fatigue  
dizziness/vertigo  
unconsciousness
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : Adverse symptoms may include the following:  
nausea or vomiting

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

### Specific hazards arising from the chemical

- : Extremely flammable aerosol. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed.

### Hazardous thermal decomposition products

- : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
metal oxide/oxides

### Special protective actions for fire-fighters

- : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

### Special protective equipment for fire-fighters

- : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not swallow. Avoid breathing gas. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Protect from sunlight. Store locked up. Eliminate all ignition sources. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits (OSHA United States)

Ingredient name	Exposure limits
Acetone	<p><b>ACGIH TLV (United States, 3/2016).</b> TWA: 250 ppm 8 hours. STEL: 500 ppm 15 minutes.</p> <p><b>NIOSH REL (United States, 10/2016).</b> TWA: 250 ppm 10 hours. TWA: 590 mg/m<sup>3</sup> 10 hours.</p> <p><b>OSHA PEL (United States, 6/2016).</b> TWA: 1000 ppm 8 hours. TWA: 2400 mg/m<sup>3</sup> 8 hours.</p>
Propane	<p><b>NIOSH REL (United States, 10/2016).</b> TWA: 1000 ppm 10 hours. TWA: 1800 mg/m<sup>3</sup> 10 hours.</p> <p><b>OSHA PEL (United States, 6/2016).</b> TWA: 1000 ppm 8 hours. TWA: 1800 mg/m<sup>3</sup> 8 hours.</p>
n-Butyl Acetate	<p><b>NIOSH REL (United States, 10/2016).</b> TWA: 150 ppm 10 hours. TWA: 710 mg/m<sup>3</sup> 10 hours. STEL: 200 ppm 15 minutes. STEL: 950 mg/m<sup>3</sup> 15 minutes.</p> <p><b>OSHA PEL (United States, 6/2016).</b> TWA: 150 ppm 8 hours. TWA: 710 mg/m<sup>3</sup> 8 hours.</p> <p><b>ACGIH TLV (United States, 3/2016).</b> STEL: 150 ppm 15 minutes. TWA: 50 ppm 8 hours.</p>
Butane	<p><b>NIOSH REL (United States, 10/2016).</b> TWA: 800 ppm 10 hours. TWA: 1900 mg/m<sup>3</sup> 10 hours.</p> <p><b>ACGIH TLV (United States, 3/2016).</b> STEL: 1000 ppm 15 minutes.</p>
Talc	<p><b>NIOSH REL (United States, 10/2016).</b> TWA: 2 mg/m<sup>3</sup> 10 hours. Form: Respirable fraction</p> <p><b>ACGIH TLV (United States, 3/2016).</b> TWA: 2 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction</p>
Lt. Aliphatic Hydrocarbon Solvent Ethyl 3-Ethoxypropionate Xylene	<p>None. None.</p> <p><b>ACGIH TLV (United States, 3/2016).</b> TWA: 100 ppm 8 hours. TWA: 434 mg/m<sup>3</sup> 8 hours. STEL: 150 ppm 15 minutes. STEL: 651 mg/m<sup>3</sup> 15 minutes.</p> <p><b>OSHA PEL (United States, 6/2016).</b> TWA: 100 ppm 8 hours. TWA: 435 mg/m<sup>3</sup> 8 hours.</p>
Carbon Black	<p><b>NIOSH REL (United States, 10/2016).</b> TWA: 3.5 mg/m<sup>3</sup> 10 hours. TWA: 0.1 mg of PAHs/cm<sup>3</sup> 10 hours.</p> <p><b>OSHA PEL (United States, 6/2016).</b> TWA: 3.5 mg/m<sup>3</sup> 8 hours.</p> <p><b>ACGIH TLV (United States, 3/2016).</b> TWA: 3 mg/m<sup>3</sup> 8 hours. Form: Inhalable fraction</p>
Ethylbenzene	<p><b>ACGIH TLV (United States, 3/2016).</b></p>

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## Section 8. Exposure controls/personal protection

Unsaturated Fatty Acids	<p>TWA: 20 ppm 8 hours.  <b>NIOSH REL (United States, 10/2016).</b>  TWA: 100 ppm 10 hours.  TWA: 435 mg/m<sup>3</sup> 10 hours.  STEL: 125 ppm 15 minutes.  STEL: 545 mg/m<sup>3</sup> 15 minutes.  <b>OSHA PEL (United States, 6/2016).</b>  TWA: 100 ppm 8 hours.  TWA: 435 mg/m<sup>3</sup> 8 hours.</p> <p>None.</p>
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### Occupational exposure limits (Canada)

Ingredient name	Exposure limits
Acetone	<p><b>CA Alberta Provincial (Canada, 4/2009).</b>  8 hrs OEL: 1200 mg/m<sup>3</sup> 8 hours.  15 min OEL: 1800 mg/m<sup>3</sup> 15 minutes.  8 hrs OEL: 500 ppm 8 hours.  15 min OEL: 750 ppm 15 minutes.  <b>CA British Columbia Provincial (Canada, 7/2016).</b>  TWA: 250 ppm 8 hours.  STEL: 500 ppm 15 minutes.  <b>CA Ontario Provincial (Canada, 7/2015).</b>  TWA: 500 ppm 8 hours.  STEL: 750 ppm 15 minutes.  <b>CA Québec Provincial (Canada, 1/2014).</b>  TWAEV: 500 ppm 8 hours.  TWAEV: 1190 mg/m<sup>3</sup> 8 hours.  STEV: 1000 ppm 15 minutes.  STEV: 2380 mg/m<sup>3</sup> 15 minutes.  <b>CA Saskatchewan Provincial (Canada, 7/2013).</b>  STEL: 750 ppm 15 minutes.  TWA: 500 ppm 8 hours.</p>
Propane	<p><b>CA Alberta Provincial (Canada, 4/2009).</b>  8 hrs OEL: 1000 ppm 8 hours.  <b>CA British Columbia Provincial (Canada, 7/2016).</b>  TWA: 1000 ppm 8 hours.  <b>CA Québec Provincial (Canada, 1/2014).</b>  TWAEV: 1000 ppm 8 hours.  TWAEV: 1800 mg/m<sup>3</sup> 8 hours.  <b>CA Ontario Provincial (Canada, 7/2015).</b>  TWA: 1000 ppm 8 hours.  <b>CA Saskatchewan Provincial (Canada, 7/2013).</b>  STEL: 1250 ppm 15 minutes.  TWA: 1000 ppm 8 hours.</p>
n-Butyl Acetate	<p><b>CA Alberta Provincial (Canada, 4/2009).</b>  15 min OEL: 200 ppm 15 minutes.  15 min OEL: 950 mg/m<sup>3</sup> 15 minutes.  8 hrs OEL: 150 ppm 8 hours.  8 hrs OEL: 713 mg/m<sup>3</sup> 8 hours.  <b>CA British Columbia Provincial (Canada, 7/2016).</b>  TWA: 20 ppm 8 hours.  <b>CA Ontario Provincial (Canada, 7/2015).</b>  TWA: 150 ppm 8 hours.  STEL: 200 ppm 15 minutes.  <b>CA Québec Provincial (Canada, 1/2014).</b></p>

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## Section 8. Exposure controls/personal protection

Butane	<p>TWAEV: 150 ppm 8 hours.            TWAEV: 713 mg/m<sup>3</sup> 8 hours.            STEV: 200 ppm 15 minutes.            STEV: 950 mg/m<sup>3</sup> 15 minutes.</p> <p><b>CA Saskatchewan Provincial (Canada, 7/2013).</b>            STEL: 200 ppm 15 minutes.            TWA: 150 ppm 8 hours.</p> <p><b>CA Alberta Provincial (Canada, 4/2009).</b>            8 hrs OEL: 1000 ppm 8 hours.</p> <p><b>CA British Columbia Provincial (Canada, 7/2016).</b>            TWA: 600 ppm 8 hours.            STEL: 750 ppm 15 minutes.</p> <p><b>CA Québec Provincial (Canada, 1/2014).</b>            TWAEV: 800 ppm 8 hours.            TWAEV: 1900 mg/m<sup>3</sup> 8 hours.</p> <p><b>CA Ontario Provincial (Canada, 7/2015).</b>            TWA: 800 ppm 8 hours.</p> <p><b>CA Saskatchewan Provincial (Canada, 7/2013).</b>            STEL: 1250 ppm 15 minutes.            TWA: 1000 ppm 8 hours.</p>
Xylene	<p><b>CA Alberta Provincial (Canada, 4/2009).</b>            8 hrs OEL: 100 ppm 8 hours.            15 min OEL: 651 mg/m<sup>3</sup> 15 minutes.            15 min OEL: 150 ppm 15 minutes.            8 hrs OEL: 434 mg/m<sup>3</sup> 8 hours.</p> <p><b>CA British Columbia Provincial (Canada, 7/2016).</b>            TWA: 100 ppm 8 hours.            STEL: 150 ppm 15 minutes.</p> <p><b>CA Québec Provincial (Canada, 1/2014).</b>            TWAEV: 100 ppm 8 hours.            TWAEV: 434 mg/m<sup>3</sup> 8 hours.            STEV: 150 ppm 15 minutes.            STEV: 651 mg/m<sup>3</sup> 15 minutes.</p> <p><b>CA Ontario Provincial (Canada, 7/2015).</b>            STEL: 150 ppm 15 minutes.            TWA: 100 ppm 8 hours.</p> <p><b>CA Saskatchewan Provincial (Canada, 7/2013).</b>            STEL: 150 ppm 15 minutes.            TWA: 100 ppm 8 hours.</p>
Ethylbenzene	<p><b>CA Alberta Provincial (Canada, 4/2009).</b>            8 hrs OEL: 100 ppm 8 hours.            8 hrs OEL: 434 mg/m<sup>3</sup> 8 hours.            15 min OEL: 543 mg/m<sup>3</sup> 15 minutes.            15 min OEL: 125 ppm 15 minutes.</p> <p><b>CA British Columbia Provincial (Canada, 7/2016).</b>            TWA: 20 ppm 8 hours.</p> <p><b>CA Ontario Provincial (Canada, 7/2015).</b>            TWA: 20 ppm 8 hours.</p> <p><b>CA Québec Provincial (Canada, 1/2014).</b>            TWAEV: 100 ppm 8 hours.            TWAEV: 434 mg/m<sup>3</sup> 8 hours.            STEV: 125 ppm 15 minutes.            STEV: 543 mg/m<sup>3</sup> 15 minutes.</p> <p><b>CA Saskatchewan Provincial (Canada, 7/2013).</b></p>

## Section 8. Exposure controls/personal protection

STEL: 125 ppm 15 minutes.  
TWA: 100 ppm 8 hours.

### Occupational exposure limits (Mexico)

<b>Ingredient name</b>	<b>Exposure limits</b>
Acetone	<b>NOM-010-STPS-2014 (Mexico, 4/2016).</b> TWA: 500 ppm 8 hours. STEL: 750 ppm 15 minutes.
Propane	<b>NOM-010-STPS-2014 (Mexico, 4/2016).</b> TWA: 1000 ppm 8 hours.
n-Butyl Acetate	<b>NOM-010-STPS-2014 (Mexico, 4/2016).</b> TWA: 150 ppm 8 hours. STEL: 200 ppm 15 minutes.
Butane	<b>NOM-010-STPS-2014 (Mexico, 4/2016).</b> TWA: 1000 ppm 8 hours.
Xylene	<b>NOM-010-STPS-2014 (Mexico, 4/2016).</b> STEL: 150 ppm 15 minutes. TWA: 100 ppm 8 hours.
Ethylbenzene	<b>NOM-010-STPS-2014 (Mexico, 4/2016).</b> TWA: 20 ppm 8 hours.

**Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.



## Section 8. Exposure controls/personal protection

**Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### Appearance

**Physical state** : Liquid.  
**Color** : Not available.  
**Odor** : Not available.  
**Odor threshold** : Not available.  
**pH** : 7  
**Melting point** : Not available.  
**Boiling point** : Not available.  
**Flash point** : Closed cup: -29°C (-20.2°F) [Pensky-Martens Closed Cup]  
**Evaporation rate** : 5.6 (butyl acetate = 1)  
**Flammability (solid, gas)** : Not available.  
**Lower and upper explosive (flammable) limits** : Lower: 0.9%  
Upper: 12.8%  
**Vapor pressure** : 101.3 kPa (760 mm Hg) [at 20°C]  
**Vapor density** : 1.55 [Air = 1]  
**Relative density** : 0.75  
**Solubility** : Not available.  
**Partition coefficient: n-octanol/water** : Not available.  
**Auto-ignition temperature** : Not available.  
**Decomposition temperature** : Not available.  
**Viscosity** : Kinematic (40°C (104°F)): <0.205 cm<sup>2</sup>/s (<20.5 cSt)  
**Molecular weight** : Not applicable.  
**Aerosol product**  
**Type of aerosol** : Spray  
**Heat of combustion** : 28.933 kJ/g

## Section 10. Stability and reactivity

**Reactivity** : No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability** : The product is stable.

**Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid** : Avoid all possible sources of ignition (spark or flame).

**Incompatible materials** : No specific data.

**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Acetone	LD50 Oral	Rat	5800 mg/kg	-
	LD50 Dermal	Rabbit	>17600 mg/kg	-
n-Butyl Acetate	LD50 Oral	Rat	10768 mg/kg	-
	LC50 Inhalation Vapor	Rat	658000 mg/m <sup>3</sup>	4 hours
Butane	LD50 Oral	Rat	3200 mg/kg	-
	LC50 Inhalation Gas.	Rat	5000 ppm	4 hours
Ethyl 3-Ethoxypropionate	LD50 Oral	Rat	4300 mg/kg	-
	LD50 Oral	Rat	>15400 mg/kg	-
Xylene	LD50 Oral	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	3500 mg/kg	-

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Acetone	Eyes - Mild irritant	Human	-	186300 parts per million	-
	Eyes - Mild irritant	Rabbit	-	10 microliters	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-
	Eyes - Severe irritant	Rabbit	-	20 milligrams	-
n-Butyl Acetate	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	395 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	100 milligrams	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 milligrams	-
Talc	Skin - Mild irritant	Human	-	72 hours 300 Micrograms Intermittent	-
Ethyl 3-Ethoxypropionate	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
Xylene	Eyes - Mild irritant	Rabbit	-	87 milligrams	-
	Eyes - Severe irritant	Rabbit	-	24 hours 5 milligrams	-
	Skin - Mild irritant	Rat	-	8 hours 60 microliters	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 milligrams	-
Ethylbenzene	Skin - Moderate irritant	Rabbit	-	100 Percent	-
	Eyes - Severe irritant	Rabbit	-	500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 15 milligrams	-

#### Sensitization

Not available.

#### Mutagenicity

Not available.

#### Carcinogenicity

Not available.

#### Classification

## Section 11. Toxicological information

Product/ingredient name	OSHA	IARC	NTP
Talc	-	3	-
Xylene	-	3	-
Carbon Black	-	2B	-
Ethylbenzene	-	2B	-

### Reproductive toxicity

Not available.

### Teratogenicity

Not available.

### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Acetone	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
Propane	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
n-Butyl Acetate	Category 3	Not applicable.	Narcotic effects
Butane	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
Lt. Aliphatic Hydrocarbon Solvent	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
Xylene	Category 3	Not applicable.	Respiratory tract irritation
Ethylbenzene	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects

### Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Acetone	Category 2	Not determined	Not determined
Propane	Category 2	Not determined	Not determined
Butane	Category 2	Not determined	Not determined
Talc	Category 1	Inhalation	lungs
Lt. Aliphatic Hydrocarbon Solvent	Category 2	Not determined	Not determined
Xylene	Category 2	Not determined	Not determined
Ethylbenzene	Category 2	Not determined	Not determined

### Aspiration hazard

Name	Result
Propane	ASPIRATION HAZARD - Category 1
Butane	ASPIRATION HAZARD - Category 1
Lt. Aliphatic Hydrocarbon Solvent	ASPIRATION HAZARD - Category 1
Xylene	ASPIRATION HAZARD - Category 1
Ethylbenzene	ASPIRATION HAZARD - Category 1

**Information on the likely routes of exposure** : Not available.

**Potential acute health effects**

- Eye contact** : Causes serious eye irritation.
- Inhalation** : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.
- Skin contact** : Causes skin irritation. May cause an allergic skin reaction.
- Ingestion** : Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.

**Symptoms related to the physical, chemical and toxicological characteristics**

- Eye contact** : Adverse symptoms may include the following:
  - pain or irritation
  - watering
  - redness
- Inhalation** : Adverse symptoms may include the following:
  - respiratory tract irritation
  - coughing
  - nausea or vomiting
  - headache
  - drowsiness/fatigue
  - dizziness/vertigo
  - unconsciousness
- Skin contact** : Adverse symptoms may include the following:
  - irritation
  - redness
- Ingestion** : Adverse symptoms may include the following:
  - nausea or vomiting

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Short term exposure**

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

**Long term exposure**

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

**Potential chronic health effects**

Not available.

- General** : Causes damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
- Carcinogenicity** : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : No known significant effects or critical hazards.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : No known significant effects or critical hazards.

**Numerical measures of toxicity**

**Acute toxicity estimates**

Route	ATE value
Oral	71426.5 mg/kg
Dermal	23190.5 mg/kg
Inhalation (gases)	90653.4 ppm

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
Acetone	Acute EC50 7200000 µg/l Fresh water	Algae - Selenastrum sp.	96 hours
	Acute LC50 6000000 µg/l Fresh water	Crustaceans - Gammarus pulex	48 hours
	Acute LC50 6900 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 5600 ppm Fresh water	Fish - Poecilia reticulata	96 hours
	Chronic NOEC 4.95 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Chronic NOEC 0.016 ml/L Fresh water	Crustaceans - Daphniidae	21 days
	Chronic NOEC 0.1 ml/L Fresh water	Daphnia - Daphnia magna - Neonate	21 days
n-Butyl Acetate	Chronic NOEC 0.1 mg/l Fresh water	Fish - Fundulus heteroclitus	4 weeks
	Acute LC50 32 mg/l Marine water	Crustaceans - Artemia salina	48 hours
Lt. Aliphatic Hydrocarbon Solvent	Acute LC50 18000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Acute LC50 >100000 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours
Xylene	Acute LC50 8500 µg/l Marine water	Crustaceans - Palaemonetes pugio	48 hours
	Acute LC50 13400 µg/l Fresh water	Fish - Pimephales promelas	96 hours
Ethylbenzene	Acute EC50 4600 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 3600 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 6530 µg/l Fresh water	Crustaceans - Artemia sp. - Nauplii	48 hours
	Acute EC50 2930 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 4200 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours

### Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Acetone	-	-	Readily
n-Butyl Acetate	-	-	Readily
Xylene	-	-	Readily
Ethylbenzene	-	-	Readily

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Lt. Aliphatic Hydrocarbon Solvent	-	10 to 2500	high
Xylene	-	8.1 to 25.9	low

### Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.






Other adverse effects : No known significant effects or critical hazards.

## Section 13. Disposal considerations

### Disposal methods

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

## Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	UN1950	UN1950	UN1950	UN1950	UN1950
UN proper shipping name	AEROSOLS	AEROSOLS	AEROSOLS	AEROSOLS, flammable	AEROSOLS
Transport hazard class(es)	2.1 	2.1 	2.1 	2.1 	2.1 
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.
Additional information	-  <b>ERG No.</b> 126	Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.13-2.17 (Class 2).  <b>ERG No.</b> 126	-  <b>ERG No.</b> 126	-	<b>Emergency schedules</b> F-D, S-U

**Special precautions for user** : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

**Transport in bulk according to Annex II of MARPOL and the IBC Code** : Not available.

**Proper shipping name** : Not available.  
**Ship type** : Not available.  
**Pollution category** : Not available.

## Section 15. Regulatory information

### SARA 313

SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

### California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

Health	*	2
Flammability		3
Physical hazards		0

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

### Procedure used to derive the classification

Classification	Justification
FLAMMABLE AEROSOLS - Category 1	On basis of test data
GASES UNDER PRESSURE - Compressed gas	Calculation method
SKIN CORROSION/IRRITATION - Category 2	Calculation method
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A	Calculation method
SKIN SENSITIZATION - Category 1	Calculation method
CARCINOGENICITY - Category 2	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (lungs) - Category 1	Calculation method
ASPIRATION HAZARD - Category 1	Calculation method

### History

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Key to abbreviations : ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

### Notice to reader

## Section 16. Other information

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by Sherwin-Williams, including but not limited to the incorporation of non Sherwin-Williams products or the use or addition of products in proportions not specified by Sherwin-Williams. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.



**Section One: Identification**

Sanford, L.P.  
2707 Butterfield Road  
Oak Brook, IL 60523 USA  
800-323-0749 or 630-481-2000

EMERGENCY MEDICAL NUMBER:

888-786-0972

Product Name: Liquid Paper Correction Fluid - Water Base

Colors: White

Newell Rubbermaid, Inc (Sanford L.P.) is a member of The Art and Creative Materials Institute, Inc. This product is certified by the Institute to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D-4236 and is labeled with the AP Non Toxic Seal. Products bearing the AP Approved Product Seal of The Art and Creative Materials Institute, Inc. are certified in a program of toxicological evaluation by a medical expert, subject to review by the Institute Toxicology Advisory Board, to contain no materials in sufficient quantities to be toxic or injurious to humans, or to cause acute toxicity or chronic health problems.

**Section Two: Hazard Identification**

This product is considered safe under normal use conditions.

**Section Three: Composition**

Titanium dioxide (13463-67-7), water, polymers, pigments, dispersants, preservatives, fragrances

**Section Four: First Aid Measures**

Inhalation: Not an inhalation hazard.

Skin Contact: Wash with soap and water.

Eye Contact: Wash through with tap water. If irritation persists, consult a physician.

Ingestion: If a large amount is ingested, gastric irritation may occur. The physician may administer an emetic or mechanically empty stomach. Treat symptomatically.

**Section Five: Fire Fighting Measures**

Flash Point: None to 200°F

Flammability Limits (% by volume): Lower: Not applicable Upper: Not applicable

Extinguishing Media: Dry chemical, foam, carbon dioxide

Special Fire Fighting Measures: In fires involving large quantities, use self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: May produce hazardous decomposition products.

**Section Six: Accidental Release Measures**

In Case of Spill or Accidental Release: Wipe up with absorbent material.

**Section Seven: Handling and Storage**

Handling: No special handling requirements.

Storage: No special storage requirements.

**Section Eight: Exposure Controls and Personal Protection**

Eye Protection: None under normal use conditions.

Clothing: None under normal use conditions.

Respirator: None under normal use conditions.

Ventilation: None under normal use conditions.

**Section Nine: Physical and Chemical Properties**

For product unless otherwise specified:

Boiling Point: Not available  
 Specific Gravity: 1.7  
 Vapor Pressure: Not determined  
 Solubility in Water: Not determined  
 Evaporation Rate: Not determined  
 Appearance/Odor: White fluid; pine odor

**Section Ten: Stability and Reactivity**

Stability: Stable  
 Conditions to Avoid: None known  
 Chemical Incompatibility: None known  
 Hazardous Decomposition: May produce oxides of carbon, nitrogen, and various hydrocarbons in fire.  
 Hazardous Polymerization: Will not occur

**Section Eleven: Toxicological Information**

See Section Two: Hazard Identification for any hazards

**Section Twelve: Ecological Information**

Not available

**Section Thirteen: Disposal Considerations**

Dispose in accordance with Federal, State, and Local Regulations.

**Section Fourteen: Transport Information**

Refer to Shipping Papers, if applicable.

**Section Fifteen: Regulatory Information**

TSCA: The product listed on this Material Safety Data Sheet is not listed on the Toxic Substances Control Act Inventory. All ingredients used to manufacture this product are listed on the TSCA Inventory

**Section Sixteen: Other Information**

HMIS Code	
Health	0
Flammability	0
Reactivity	0
Personal Protection	NA

0=Minimal / 4 = Severe

Newell Rubbermaid, Inc (Sanford L.P) has been advised by Counsel that the OSHA Hazard Communication Standard and the Health Canada Workplace Hazardous Materials Information Standard do not apply to the product described in this Material Safety Data Sheet. The reasons for the exemptions are contained in 29 CFR 1910.1200(b)(6)(ix) as amended Sept 14, 2009 per the Code of Federal Regulations and also Canadian Hazardous Products Act part 12 section (f) as amended June 1, 2009. The information contained in this MSDS is forwarded to you for your information, but is not meant to imply that the product is covered by nor is this MSDS meant to comply with all requirements of the hazard communication standards.

*Life Cycle State: Released  
 Iteration: 1.1*

*Modify Timestamp: 2014-04-02 13:47:29 CDT*

# SAFETY DATA SHEET

4408

## Section 1. Identification

**Product name** : Medallion® Paint & Primer Eggshell Interior  
Pastel Base

**Product code** : 4408

**Other means of identification** : Not available.

**Product type** : Liquid.

**Relevant identified uses of the substance or mixture and uses advised against**  
Not applicable.

**Manufacturer** : Valspar  
101 W. Prospect Avenue  
Cleveland, OH 44115

**Emergency telephone number of the company** : (800) 424-9300

**Product Information Telephone Number** : Not available.

**Regulatory Information Telephone Number** : (216) 566-2902

**Transportation Emergency Telephone Number** : (800) 424-9300

## Section 2. Hazards identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** : CARCINOGENICITY - Category 2

Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 24.7%  
Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 24.7%  
Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 24.7%

### GHS label elements

**Hazard pictograms** :



**Signal word** : Warning

**Hazard statements** : Suspected of causing cancer.

### Precautionary statements

**General** : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

**Prevention** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing.

**Response** : IF exposed or concerned: Get medical attention.

**Storage** : Store locked up.

**Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Date of issue/Date of revision** : 7/4/2018    **Date of previous issue** : 5/30/2018    **Version** : 2.01    1/10  
4408    Medallion® Paint & Primer Eggshell Interior    **SHW-85-NA-GHS-US**  
Pastel Base

## Section 2. Hazards identification

### Supplemental label elements

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.

Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.

### Hazards not otherwise classified

: None known.

## Section 3. Composition/information on ingredients

### Substance/mixture

: Mixture

### Other means of identification

: Not available.

### CAS number/other identifiers

Ingredient name	% by weight	CAS number
Titanium Dioxide	≥10 - ≤25	13463-67-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.**

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

#### Eye contact

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

#### Inhalation

: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

#### Skin contact

: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

#### Ingestion

: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

##### Eye contact

: No known significant effects or critical hazards.

##### Inhalation

: No known significant effects or critical hazards.

##### Skin contact

: No known significant effects or critical hazards.

##### Ingestion

: No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

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Version : 2.01

2/10

4408

Medallion® Paint & Primer Eggshell Interior  
Pastel Base

SHW-85-NA-GHS-US

## Section 4. First aid measures

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

**Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
metal oxide/oxides

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : **This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

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4408	Medallion® Paint & Primer Eggshell Interior Pastel Base	<b>SHW-85-NA-GHS-US</b>	

## Section 6. Accidental release measures

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits (OSHA United States)

<b>Ingredient name</b>	<b>Exposure limits</b>
Titanium Dioxide	<b>ACGIH TLV (United States, 3/2017).</b> TWA: 10 mg/m <sup>3</sup> 8 hours. <b>OSHA PEL (United States, 6/2016).</b> TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust

#### Occupational exposure limits (Canada)

<b>Ingredient name</b>	<b>Exposure limits</b>
None.	

#### Occupational exposure limits (Mexico)

<b>Ingredient name</b>	<b>Exposure limits</b>
None.	



## Section 8. Exposure controls/personal protection

- Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
- Environmental exposure controls** : **This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.**
- Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
- Individual protection measures**
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### Appearance

- Physical state** : Liquid.
- Color** : Not available.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : 9
- Melting point/freezing point** : Not available.
- Boiling point/boiling range** : 100°C (212°F)
- Flash point** : Closed cup: 96°C (204.8°F) [Pensky-Martens Closed Cup]
- Evaporation rate** : 0.09 (butyl acetate = 1)
- Flammability (solid, gas)** : Not available.
- Lower and upper explosive (flammable) limits** : Not available.

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## Section 9. Physical and chemical properties

Vapor pressure	: 2.3 kPa (17.5 mm Hg) [at 20°C]
Vapor density	: 1 [Air = 1]
Relative density	: 1.31
Solubility	: Not available.
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Kinematic (40°C (104°F)): >0.205 cm <sup>2</sup> /s (>20.5 cSt)
Molecular weight	: Not applicable.
<u>Aerosol product</u>	
Heat of combustion	: 0.741 kJ/g

## Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Not available.

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium Dioxide	Skin - Mild irritant	Human	-	72 hours 300 Micrograms Intermittent	-

#### Sensitization

Not available.

#### Mutagenicity

Not available.

#### Carcinogenicity

Not available.

#### Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide	-	2B	-

#### Reproductive toxicity



## Section 11. Toxicological information

Not available.

### Teratogenicity

Not available.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

**Information on the likely routes of exposure** : Not available.

### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : No specific data.  
**Inhalation** : No specific data.  
**Skin contact** : No specific data.  
**Ingestion** : No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

#### Potential chronic health effects

Not available.

**General** : No known significant effects or critical hazards.  
**Carcinogenicity** : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Teratogenicity** : No known significant effects or critical hazards.  
**Developmental effects** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium Dioxide	Acute LC50 >1000000 µg/l Marine water	Fish - Fundulus heteroclitus	96 hours

### Persistence and degradability

Not available.

### Bioaccumulative potential

Not available.

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : **This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
<b>UN number</b>	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
<b>UN proper shipping name</b>	-	-	-	-	-
<b>Transport hazard class(es)</b>	-	-	-	-	-
<b>Packing group</b>	-	-	-	-	-
<b>Environmental hazards</b>	No.	No.	No.	No.	No.
<b>Additional information</b>	-	-	-	-	-

## Section 14. Transport information

**Special precautions for user** : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

**Transport in bulk according to Annex II of MARPOL and the IBC Code** : Not available.

**Proper shipping name** : Not available.  
**Ship type** : Not available.  
**Pollution category** : Not available.

## Section 15. Regulatory information

**U.S. Federal regulations** : **TSCA 5(a)2 proposed significant new use rules:** 5-Chloro-2-methylisothiazolinone  
**TSCA 5(a)2 final significant new use rules:** Trichloroethylene

This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.

### SARA 313

SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

### California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

Health	*	0
Flammability		0
Physical hazards		0

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

### Procedure used to derive the classification

Classification	Justification
CARCINOGENICITY - Category 2	Calculation method

### History

**Date of printing** : 7/4/2018  
**Date of issue/Date of revision** : 7/4/2018  
**Date of previous issue** : 5/30/2018  
**Version** : 2.01

## Section 16. Other information

### Key to abbreviations

: ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

### Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by Sherwin-Williams, including but not limited to the incorporation of non Sherwin-Williams products or the use or addition of products in proportions not specified by Sherwin-Williams. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

# Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

## MRS MEYERS® CLEAN DAY MULTI-SURFACE EVERYDAY CLEANER (LEMON VERBENA)

Version 1.0

Print Date 07/29/2015

Revision Date 06/10/2015

SDS Number 350000025213

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product information

**Product name** : MRS MEYERS® CLEAN DAY MULTI-SURFACE EVERYDAY CLEANER (LEMON VERBENA)

**Recommended use** : Hard Surface Cleaner

**Manufacturer, importer, supplier** : Caldrea  
1525 Howe Street  
Racine WI 53403-2236

**Telephone** : +18778651508

**Emergency telephone number** : 24 Hour Medical Emergency Phone: (866)231-5406  
24 Hour International Emergency Phone: (703)527-3887  
24 Hour Transport Emergency Phone: (800)424-9300

### 2. HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

#### Globally Harmonized System (GHS) Classification

This product does not meet the criteria for classification in any hazard class according to regulation OSHA 29 CFR 1910.1200.

#### Labelling

#### Precautionary statements

**Other hazards** : None identified

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight percent
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# Safety Data Sheet

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## MRS MEYERS® CLEAN DAY MULTI-SURFACE EVERYDAY CLEANER (LEMON VERBENA)

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Alkyl polyglycoside	68515-73-1	1.00 - 5.00
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The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

For additional information on product ingredients, see [www.caldrea.com](http://www.caldrea.com).

### 4. FIRST AID MEASURES

- Eye contact** : No special requirements
- Skin contact** : No special requirements
- Inhalation** : No special requirements.
- Ingestion** : No special requirements

### 5. FIREFIGHTING MEASURES

- Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during firefighting** : Container may melt and leak in heat of fire.
- Further information** : Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Wash thoroughly after handling.
- Environmental precautions** : Outside of normal use, avoid release to the environment.

# Safety Data Sheet

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**Methods and materials for containment and cleaning up** : Dike large spills.  
Clean residue from spill site.

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### 7. HANDLING AND STORAGE

#### Handling

**Precautions for safe handling** : Avoid contact with skin, eyes and clothing.  
For personal protection see section 8.  
KEEP OUT OF REACH OF CHILDREN AND PETS.

**Advice on protection against fire and explosion** : Normal measures for preventive fire protection.

#### Storage

**Requirements for storage areas and containers** : Keep container closed when not in use.

---

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Occupational Exposure Limits

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

#### Personal protective equipment

**Respiratory protection** : No special requirements.

**Hand protection** : No special requirements.

**Eye protection** : No special requirements.

**Skin and body protection** : No special requirements.

**Hygiene measures** : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

## Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

### MRS MEYERS® CLEAN DAY MULTI-SURFACE EVERYDAY CLEANER (LEMON VERBENA)

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<b>Form</b>	: liquid
<b>Color</b>	: Colorless
<b>Odor</b>	: Citrus
<b>Odour Threshold</b>	: Test not applicable for this product type
<b>pH</b>	: 7 - 7.5
<b>Melting point/freezing point</b>	: 0 °C
<b>Initial boiling point and boiling range</b>	: Test not applicable for this product type
<b>Flash point</b>	: does not flash
<b>Evaporation rate</b>	: Test not applicable for this product type
<b>Flammability (solid, gas)</b>	: Does not sustain combustion.
<b>Upper/lower flammability or explosive limits</b>	: Test not applicable for this product type
<b>Vapour pressure</b>	: Test not applicable for this product type
<b>Vapour density</b>	: Test not applicable for this product type
<b>Relative density</b>	: 1.01 g/cm <sup>3</sup> at 25 °C
<b>Solubility(ies)</b>	: soluble



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<b>Partition coefficient: n-octanol/water</b>	:	Test not applicable for this product type	:
<b>Auto-ignition temperature</b>	:	Test not applicable for this product type	:
<b>Decomposition temperature</b>	:	Test not applicable for this product type	:
<b>Viscosity, dynamic</b>	:	similar to water	:
<b>Viscosity, kinematic</b>	:	Test not applicable for this product type	:
<b>Oxidizing properties</b>	:	Test not applicable for this product type	:
<b>Volatile Organic Compounds Total VOC (wt. %)*</b>	:	0.4 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations	:
<b>Other information</b>	:	None identified	:

#### 10. STABILITY AND REACTIVITY

<b>Possibility of hazardous reactions</b>	:	If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.
<b>Conditions to avoid</b>	:	Direct sources of heat.
<b>Incompatible materials</b>	:	Do not mix with bleach or any other household cleaners. Strong bases
<b>Hazardous decomposition products</b>	:	Thermal decomposition can lead to release of irritating gases and vapours.

## Safety Data Sheet

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#### 11. TOXICOLOGICAL INFORMATION

**Emergency Overview** : This product does not meet the criteria for classification in any hazard class according to regulation OSHA 29 CFR 1910.1200.

**Acute oral toxicity** : No data available

**Acute inhalation toxicity** : No data available

**Acute dermal toxicity** : No data available

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal
Acute toxicity	No classification proposed	Inhalation - Dust and Mist
Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas
Skin corrosion/irritation	No classification proposed	-
Eye irritation	No classification proposed	-
Skin sensitisation	No classification proposed	-
Respiratory sensitisation	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-

# Safety Data Sheet

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Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

**Aggravated Medical Condition** : None known.

### 12. ECOLOGICAL INFORMATION

**Product** : The product itself has not been tested.

#### Toxicity

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

#### Toxicity to fish

Components	End point	Species	Value	Exposure time
Alkyl polyglycoside	semi-static test LC50	Danio rerio (zebra fish)	126 mg/l	96 h
	NOEC Read-across (Analogy)	Danio rerio (zebra fish)	1.8 mg/l	21 d

#### Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Alkyl polyglycoside	static test EC50	Daphnia magna (Water flea)	> 100 mg/l	48 h

# Safety Data Sheet

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	NOEC Read- across (Analogy)	Daphnia magna	1 mg/l	21 d
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### Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Alkyl polyglycoside	static test EC50	Desmodesmus subspicatus (green algae)	27.22 mg/l	72 h

### Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Alkyl polyglycoside	100 %	28 d	Readily biodegradable

### Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Alkyl polyglycoside	0.9 estimated	1.72

### Mobility

Component	End point	Value
Alkyl polyglycoside	log Koc	1.7

### PBT and vPvB assessment

Component	Results
Alkyl polyglycoside	Not fulfilling PBT and vPvB criteria

Other adverse effects : None known.

## **Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200

### **MRS MEYERS® CLEAN DAY MULTI-SURFACE EVERYDAY CLEANER (LEMON VERBENA)**

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#### **13. DISPOSAL CONSIDERATIONS**

Consumer may discard empty container in trash, or recycle where facilities exist.

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#### **14. TRANSPORT INFORMATION**

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

**Land transport**

Not classified as dangerous in the meaning of transport regulations.

**Sea transport**

Not classified as dangerous in the meaning of transport regulations.

**Air transport**

Not classified as dangerous in the meaning of transport regulations.

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#### **15. REGULATORY INFORMATION**

**Notification status** : All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**California Prop. 65** : This product is not subject to the reporting requirements under California's Proposition 65.

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#### 16. OTHER INFORMATION

##### HMIS Ratings

Health	1
Flammability	0
Reactivity	0

##### NFPA Ratings

Health	1
Fire	0
Reactivity	0
Special	-

This information is being provided in accordance with the Occupational Safety and Health Administration (OSHA) regulation (29 CFR 1910.1200). The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

##### Further information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

Prepared by	Global Safety Assessment & Regulatory Affairs (GSARA)
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## MURPHY OIL SOAP WOOD CLEANER LIQUID ORIGINAL

*This industrial Safety Data Sheet is not intended for consumers and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.*

Version 1.0

SDS Number: 660000002341

Revision Date: 2016/02/26

### SECTION 1. IDENTIFICATION

Product name : MURPHY OIL SOAP WOOD CLEANER LIQUID ORIGINAL

Product code : 200000049933

Material : B02906500016

#### Manufacturer or supplier's details

**Company** : Colgate-Palmolive Co  
300 Park Avenue  
New York, NY 10022

**Telephone** : US: Consumer Affairs - 1-800-468-6502

**Emergency telephone number** : For emergencies involving spill, leak, fire, exposure or accident call CHEMTREC (24hr) at (800) 424-9300 or (703) 527-3887.

Global-CHEMTREC- +1 703-741-5970

**Medical Emergency (24HR):** For MEDICAL EMERGENCIES involving this product call: (888) 489-3861

#### Recommended use of the chemical and restrictions on use

Recommended use : Formulated all purpose cleaner for household use.

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Skin sensitisation : Category 1

#### GHS Label element

Hazard pictograms :



Signal word : Warning

Hazard statements : H317 May cause an allergic skin reaction.

Precautionary statements : **Prevention:**  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves.

## MURPHY OIL SOAP WOOD CLEANER LIQUID ORIGINAL

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Version 1.0

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Revision Date: 2016/02/26

**Response:**

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Hazardous components**

Chemical Name	CAS-No.	Concentration (% w/w)
CITRONELLA (CYMBOPOGON NARDUS) OIL	8000-29-1	>= 0.1 - < 1

### SECTION 4. FIRST AID MEASURES

- General advice : No hazards which require special first aid measures.
- If inhaled : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.  
If symptoms persist, call a physician.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.
- In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : May cause an allergic skin reaction.

### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Hazardous combustion products : No hazardous combustion products are known



## MURPHY OIL SOAP WOOD CLEANER LIQUID ORIGINAL

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Version 1.0

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Further information : Standard procedure for chemical fires.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions : No special environmental precautions required.

Methods and materials for containment and cleaning up : Neutralise with acid.  
Wipe up with absorbent material (e.g. cloth, fleece).  
Keep in suitable, closed containers for disposal.

### SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : For personal protection see section 8.  
No special handling advice required.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.

Materials to avoid : No special restrictions on storage with other products.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

#### Hazardous components without workplace control parameters

Components	CAS-No.
CITRONELLA (CYMBOPOGON NARDUS) OIL	8000-29-1

#### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Remarks : For prolonged or repeated contact use protective gloves.

Eye protection : Safety glasses

Skin and body protection : Protective suit

## MURPHY OIL SOAP WOOD CLEANER LIQUID ORIGINAL

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Version 1.0

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Hygiene measures : General industrial hygiene practice.

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid  
Colour : amber  
pH : 10.2  
Flash point : No data available

---

### SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable under recommended storage conditions.  
Chemical stability : No decomposition if stored and applied as directed.  
Possibility of hazardous reactions : No hazards to be specially mentioned.  
Conditions to avoid : No data available

---

### SECTION 11. TOXICOLOGICAL INFORMATION

#### **Acute toxicity**

Not classified based on available information.

#### **Product:**

Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method  
Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

#### **Components:**

##### **CITRONELLA (CYMBOPOGON NARDUS) OIL:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Acute inhalation toxicity : Remarks: No data available  
Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg  
Method: No information available.

## MURPHY OIL SOAP WOOD CLEANER LIQUID ORIGINAL

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Version 1.0

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### **Skin corrosion/irritation**

Not classified based on available information.

#### **Product:**

Remarks: According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

#### **Components:**

##### **CITRONELLA (CYMBOPOGON NARDUS) OIL:**

Result: Severe skin irritation

### **Serious eye damage/eye irritation**

Not classified based on available information.

#### **Product:**

Remarks: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

#### **Components:**

##### **CITRONELLA (CYMBOPOGON NARDUS) OIL:**

Result: Risk of serious damage to eyes.

### **Respiratory or skin sensitisation**

Skin sensitisation: May cause an allergic skin reaction.

Respiratory sensitisation: Not classified based on available information.

#### **Product:**

Remarks: No data available

#### **Components:**

##### **CITRONELLA (CYMBOPOGON NARDUS) OIL:**

Exposure routes: Inhalation

Remarks: No data available

Exposure routes: Dermal

Result: May cause sensitisation by skin contact.

### **Germ cell mutagenicity**

Not classified based on available information.

### **Carcinogenicity**

Not classified based on available information.

#### **IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### **OSHA**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

## MURPHY OIL SOAP WOOD CLEANER LIQUID ORIGINAL

*This industrial Safety Data Sheet is not intended for consumers and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.*

---

Version 1.0

SDS Number: 66000002341

Revision Date: 2016/02/26

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### **NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### **Reproductive toxicity**

Not classified based on available information.

### **STOT - single exposure**

Not classified based on available information.

### **STOT - repeated exposure**

Not classified based on available information.

### **Aspiration toxicity**

Not classified based on available information.

### **Further information**

#### **Product:**

Remarks: This product has not been tested as a whole. However, this formula was reviewed by expert toxicologists in the Product Safety Assurance Department of Colgate-Palmolive and is determined to be safe for its intended use. This review has taken into consideration available safety-related information including information on individual ingredients, similar formulas and potential ingredient interactions. This review is a component of the hazard determination used to prepare the statements in Section 3 of the SDS.

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## **SECTION 12. ECOLOGICAL INFORMATION**

The product has not been tested as a whole for environmental toxicity. However, environmental information on the ingredients in this product have been reviewed by the Environmental, Health and Safety group of Colgate-Palmolive and determined to have an acceptable environmental profile. This evaluation is based on available information on individual ingredients, interactions of ingredients, and similar ingredients. Biodegradability claims are supported by data on ingredients (i.e., surfactants are biodegradable) or testing conducted on the final product (i.e., This product is biodegradable).

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## **SECTION 13. DISPOSAL CONSIDERATIONS**

### **Disposal methods**

Waste from residues : Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging : Empty remaining contents.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.

---

## **SECTION 14. TRANSPORT INFORMATION**

## MURPHY OIL SOAP WOOD CLEANER LIQUID ORIGINAL

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**DOT** : Not regulated.  
**TDG** : Not regulated.  
**IATA** : Not regulated.  
**IMDG** : Not regulated.  
**ADR** : Not regulated.

### International Regulation

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

### National Regulations

---

## SECTION 15. REGULATORY INFORMATION

### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
HYDROGEN PEROXIDE	7722-84-1	1000	*

\*: Calculated RQ exceeds reasonably attainable upper limit.

**SARA 311/312 Hazards** : Acute Health Hazard

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

## MURPHY OIL SOAP WOOD CLEANER LIQUID ORIGINAL

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Version 1.0

SDS Number: 66000002341

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### Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

### US State Regulations

#### Massachusetts Right To Know

HYDROGEN PEROXIDE	7722-84-1	0 - 0.1 %
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#### Pennsylvania Right To Know

Water	WATER	70 - 90 %
Sodium tallate	61790-45-2	10 - 20 %
2-PHENOXYETHANOL	122-99-6	0.1 - 1 %

#### New Jersey Right To Know

Water	WATER	70 - 90 %
Sodium tallate	61790-45-2	10 - 20 %

### The components of this product are reported in the following inventories:

TSCA : All ingredients in this product are listed on the TSCA Inventory or are not required to be listed on the TSCA Inventory.

## SECTION 16. OTHER INFORMATION

### Full text of other abbreviations

(Q)SAR - (Quantitative) Structure Activity Relationship; ASTM - American Society for the Testing of Materials; bw - Body weight; DIN - Standard of the German Institute for Standardisation; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organisation for Standardization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative; DSL - Domestic Substances List (Canada); KECI - Korea Existing Chemicals Inventory; TSCA - Toxic Substances Control Act

## MURPHY OIL SOAP WOOD CLEANER LIQUID ORIGINAL

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Version 1.0

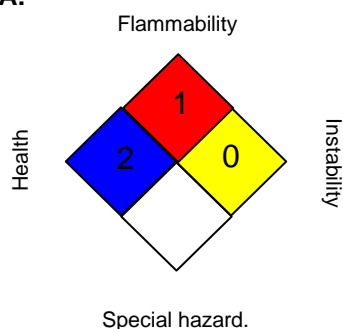
SDS Number: 66000002341

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(United States); AICS - Australian Inventory of Chemical Substances; IECSC - Inventory of Existing Chemical Substances in China; ENCS - Existing and New Chemical Substances (Japan); ISHL - Industrial Safety and Health Law (Japan); PICCS - Philippines Inventory of Chemicals and Chemical Substances; NZIoC - New Zealand Inventory of Chemicals; TCSI - Taiwan Chemical Substance Inventory; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; DOT - Department of Transportation; EHS - Extremely Hazardous Substance; HMIS - Hazardous Materials Identification System; MSHA - Mine Safety and Health Administration; NFPA - National Fire Protection Association; RCRA - Resource Conservation and Recovery Act; RQ - Reportable Quantity; SARA - Superfund Amendments and Reauthorization Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; GLP - Good Laboratory Practice; ERG - Emergency Response Guide; NTP - National Toxicology Program; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods

### Further information

#### NFPA:



#### HMIS III:

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 =Slight,  
 2 = Moderate, 3 = High  
 4 = Extreme, \* = Chronic

Revision Date : 2016/02/26

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

US / EN

OAM Solutions  
 1522 E Wilcken Way  
 Washington, UT 84780  
 435-817-9919

## SAFETY DATA SHEET

### 1. Identification

Product Identifier:	OAM Odor Eliminating Spray
Item Number:	Various
Chemical Formula:	Mixture
Product Type:	Spray Odor Eliminator with Odor Absorbing Molecules(OAM)
Company Name	OAM Solutions LLC
Address	1522 E Wilcken Way Washington, UT 84780
Telephone	435-817-9919
Website	<a href="http://oam-solutions.com">oam-solutions.com</a>
E-mail	<a href="mailto:info@oam-solutions.com">info@oam-solutions.com</a>

### 2. HAZARD(S) IDENTIFICATION

GHS Classification:	None
GHS Label Elements	
Pictogram	None
Signal Word	None
Hazard Statement	None
Precautionary statement(s)	
P102	Keep out of reach of children
P305 + P351	If in eye: rinse cautiously with water for several minutes
P337 + P313	If eye irritation persists; get medical attention
Physical hazards:	Not Classified
Health Hazards	The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

The manufacturer lists no ingredients as hazardous according to OASHA 29 CFR 1910.1200

### 4. FIRST AID MEASURES

Ingestion:	Can cause mild upset stomach
Inhalation:	No inhalation risk during normal usage
Skin Contact:	Rinse with water if irritated
Eye Contact:	Rinse with water if irritated

### 5. FIRE FIGHTING MEASURES



Flash Point: Product exhibits that of water  
Lower Exposure Limit: Product exhibits that of water  
Special Fire Fighting Procedures: Product exhibits that of water  
Explosion Hazards: Product exhibits that of water  
Flammable Limits: Product exhibits that of water

#### 6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Wash away with water

#### 7. HANDLING AND STORAGE

Storage: Store upright in sealed containers  
Handling: Follow all general safety precautions

#### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Eyes: Not necessary  
Skin: Not Necessary  
Ventilation: Not Necessary  
Respiratory Protection: Not necessary

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear liquid to white liquid. Some variations tint towards amber depending on the specific fragrance.  
Odor Odorless to characteristic fragrance depending on the variation  
Boiling Point 760 mmHg 212° F  
Solubility in water: Complete  
Specific Gravity: 1.005 – 1.01  
pH: 7-8  
Percent VOC: 1%  
Vapor Pressure:(mm Hg) Product exhibits that of water  
Vapor Density (Air=1) Product exhibits that of water  
Melting Point: Product exhibits that of water

#### 10. STABILITY AND REACTIVITY DATA:

Reactivity: The product is stable and non-reactive under normal conditions, storage and transport.  
Stability: Stable under normal conditions  
Odor: Varied  
Incompatibility: None  
Solubility: Soluble  
Conditions to avoid: None  
Incompatible Materials: Strong Oxidizing agents  
Hazardous Decomposition: No hazardous decomposition products are known

#### 11. TOXICOLOGICAL INFORMATION

The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.12

## 12. ECOLOGICAL INFORMATION

Ecotoxicity: This product is not classified as ecologically hazardous.  
Other Adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Dispose of uncontaminated material through sewer system  
US EPA Waste Number: NH – Not an RCRA Hazardous Waster

## 14. TRANSPORTATION INFORMATION

HMIS hazard Rating: Health:0 Fire:0 Reactivity:0  
Hazard Rating Scale 0 =insignificant, 1=Slight, 2=Moderate, 3=High, 4=Extreme  
49 CFR (GRD): Not Regulated  
IATA (AIR): Not Regulated  
IMDG (OCN): Not Regulated  
TDGR (Canadian GND): Not Regulated  
ADR/RID: Not Regulated  
Mexico (SCT): Not Regulated  
DOT (49CFR172)

## 15. REGULATORY INFORMATION

U.S.EPS SARA Reporting Requirements: This product does not contain any substances subject to the reporting requirements of SARA Title III Section 302 and Section 313

U.S. SARA 311/312 Hazards: None

U.S. EPS TSCA Inventory Status: All chemical substances of this product are listed on the TSCA inventory or are otherwise exempt from inventory status.

U.S. EPS CERCLA Reportable Quantity (RQ): none

Other U.S. Federal Requirements: This material does not contain any hazardous air pollutants. None of the components in this product are listed as priority pollutants under the CWA. None of the components in this product are listed as toxic pollutants under the CWA.

California Prop 65: None of the chemicals in this product are listed  
State Criteria Lists: None of the chemicals in this product are listed  
WHIMS Classification: Not Classified  
DSL/NDSL: All of the components are listed  
Priority Substances List: None of the components are listed

## 16. OTHER INFORMATION:

The information herein is presented in good faith and believed to be accurate as of the effective date shown below. However, no warranty, expressed or implied, is given. Regulatory requirements are subject to change and may differ from one location to another. It is the buyer's responsibility to ensure that its activities comply with federal, state or Provincial, and local laws.

Effective Date: Nov 1, 2016  
Supercedes: April 16, 2016  
Prepared By: Paul C Anderson

Doc. No: QD015-05

10/03/01 Rev. 1  
Office Depot Duster

Approved by: Frank L.

**MATERIAL SAFETY DATA SHEET****OFFICE DEPOT CLEANING DUSTER****\*\*SECTION I\*\* CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Name: OFFICE DEPOT CLEANING DUSTER  
Product Number: 0811563  
Chemical Name: 1,1,1,2-Tetrafluoroethane  
Manufacturer: QPL, INC.  
Address: 800 S. ACADIA ROAD  
 THIBODAUX, LA 70301  
Telephone Number: (985) 449-0660  
Web Site: www.qplchem.com  
Emergency numbers: Chemtree (800) 424-9300  
 Control Center (Louisiana) (800) 256-9822  
Date Prepared: 8/00 Revised 01/03

**\*\*SECTION II\*\* HAZARDOUS COMPONENTS**

Hazardous Components:	Case No.	ACGIH	TLV	PEL (OSHA)
1,1,1,2-Tetrafluoroethane	811-97-2	Not Est.		Not Est.

Notes:  
 (1) NPCA-HMIS Rating: Health: 1  
 Flammability: 0  
 Reactivity: 0  
 Personal Protection: X (See Section VIII)

This Chemical is not listed as a Carcinogen or potential Carcinogen with: NTP Status, IARC Status or OSHA list.

**\*\*SECTION III\*\* PHYSICAL DATA**

Boiling Point: -15.7°F @ 736 mm Hg  
Solubility in water: Slight  
Vapor pressure: 96 psia @ 70°F  
Volatiles (% by weight): 100%  
Vapor Density (Air = 1): 3  
Density: 1.21 g/cc @ 77°F

Description: A colorless, clear liquefied gas with a slight ethereal odor.

**\*\*SECTION IV\*\* FIRE & EXPLOSION HAZARDS**

Flash Point: None Method Used: TOC  
Flammable Limits: NOT APPLICABLE  
Extinguishing Media: As appropriate for combustibles in area  
Special fire fighting procedures: Self-contained breathing apparatus. Positive pressure type.  
Unusual fire and explosion hazards: None (material itself is not flammable)

**\*\*SECTION V\*\* REACTIVITY DATA**

Stability: Yes  
Incompatibility (Materials to Avoid): Strong oxidizers and high temperatures above 130°F. Strong acids or bases. Alkaline earth materials.  
Hazardous Polymerization: Will not occur.  
Conditions to Avoid: High temperatures and sources of ignition such as sparks.  
Hazardous Decomposition Products: Source - High Heat, forming hydrofluoric acid and possible carbonyl fluorine.

Doc. No: QD015-05

10/03/01 Rev. 1  
Office Depot Duster

Approved by: Frank L.

**\*\*SECTION VI\*\* HEALTH HAZARD DATA**Primary Routes of Entry; Effects of Overexposure:Eye: Acute – irritation and redness, tearing and blurred vision.Inhalation: Acute – excessive inhalation may cause temporary alteration of the heart's electrical activity with irregular pulse, palpitations or inadequate circulation. Intentional misuse can be fatal.Skin: Prolong and excessive skin contact may cause frostbite.Ingestion: Not considered a potential route of entry. (Do not administer adrenaline following exposure.)**EMERGENCY / FIRST AID PROCEDURES:**If in Eyes: Flush with water for 15 minutes. Seek medical help if irritation persists.If on Skin: Wash with soap and water. If frostbit treat by warming affected area.If Swallowed: Not considered a potential route of entry.If inhaled: Remove to fresh air. Administer artificial respiration, if needed. If breathing is difficult give oxygen. Call a physician.Note to Physician: Because of possible disturbances of cardiac rhythm, catecholamine drugs, such as epinephrine, should be considered only as a last resort in a life threatening emergencies.**\*\*SECTION VII\*\* PRECAUTIONS FOR SAFE HANDLING AND USE**If Material is released or spilled: Ventilate area – especially low areas where heavy vapors may collect. Protect from open flames.Waste Disposal Method: **\*\*DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS\*\***Handling/Storing Precautions: Store in a dry area, away from heat sources or high ambient temperature. OK to store at freezing temperatures.Other Precautions: Keep away from children. For professional or industrial use only.**\*\*SECTION VIII\*\* SPECIAL PROTECTION DATA**Respiratory: No respiratory protection is needed under normal outdoor or well-ventilated working conditions.Ventilation: Provide normal ventilation for standard manufacturing procedures.Eyes: Splash proof safety glasses/goggles are recommended. See safety consultant.Gloves: Nitrile rubber or neoprene is recommended for prolonged contact.**\*\*SECTION IX\*\* SPECIAL PRECAUTIONS**

Aquatic Toxicity: Not Applicable

Shipping Information:

Proper Shipping Name:	1,1,1,2-tetrafluoroethane
Hazard Class:	Non-flammable gas, 2.2
UN#:	3159
DOT/IATA Label:	Non-flammable Gas

Air Freight Method:

## DOMESTIC (DOT) &amp; INTERNATIONAL AIR (IATA)

Passenger - Package max. Wt. 75kg
Cargo - Package max. Wt. 150kg

NA = not applicable	ND = not determined	< = less than
> = Greater than	UNK = unknown	

NOTE: The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

# SAFETY DATA SHEET

OLD ENGLISH® Lemon Oil Polish



HEALTH • HYGIENE • HOME

## 1. Product and company identification

**Product name** : OLD ENGLISH® Lemon Oil Polish**Distributed by** : Reckitt Benckiser LLC.  
Morris Corporate Center IV  
399 Interpace Parkway (P.O. Box 225)  
Parsippany, New Jersey 07054-0225  
+1 973 404 2600Reckitt Benckiser (Canada) Inc.  
1680 Tech Avenue, Unit #2  
Mississauga, Ontario L4W 5S9  
CANADA  
Telephone: +1 905 283 7000**Emergency telephone number (Medical)** : 1-800-338-6167**Emergency telephone number (Transport)** : 1-800-424-9300 (U.S. & Canada) CHEMTREC  
Outside U.S. and Canada (North America), call Chemtrec:703-527-3887**Website:** : <http://www.rbnainfo.com>**Product use** : Polishes, wax/cream (floor, furniture, shoes)

This SDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is greater potential for large-scale or prolonged exposure, in accordance with the requirements of USDOL Occupational Safety and Health Administration.

This SDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulations, and shown in Section 15 of this SDS.

**SDS #** : D8183352 v2.0**Formulation #:** : #890555\_8

## 2. Hazards identification

**Classification of the substance or mixture** : FLAMMABLE LIQUIDS - Category 4  
ASPIRATION HAZARD - Category 1

### GHS label elements

**Code #** : FF890555 (D8183352) **SDS #** : D8183352 v2.0 **Date of issue** : 18/05/2017  
NA

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D8183352 v2.0

## 2. Hazards identification

Hazard pictograms :



Signal word : Danger

Hazard statements : Combustible liquid.  
May be fatal if swallowed and enters airways.

### Precautionary statements

**General** : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

**Prevention** : Wear protective gloves. Wear eye or face protection. Keep away from flames and hot surfaces. - No smoking.

**Response** : IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.

**Storage** : Store locked up. Store in a well-ventilated place. Keep cool.

**Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements : None known.

Hazards not otherwise classified : None known.

## 3. Composition/information on ingredients

Substance/mixture : Mixture

Ingredient name	%	CAS number
Distillates (petroleum), hydrotreated middle; Gasoil - unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately 205°C to 400°C (401°F to 752°F).]	> 60	64742-46-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

## 4. First aid measures

### Description of necessary first aid measures

**Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

**Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Code # : FF890555 (D8183352) SDS # : D8183352 v2.0 Date of issue : 18/05/2017

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D8183352 v2.0

## 4. First aid measures

- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : May be fatal if swallowed and enters airways.

#### Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : Adverse symptoms may include the following:  
nausea or vomiting

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

## 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Unsuitable extinguishing media** : Do not use water jet.

- Specific hazards arising from the chemical** : Combustible liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.

- Hazardous thermal decomposition products** : No specific data.

**Code #** : FF890555 (D8183352) **SDS #** : D8183352 v2.0 **Date of issue** : 18/05/2017  
NA

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D8183352 v2.0

## 5. Fire-fighting measures

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## 7. Handling and storage

### Precautions for safe handling

**Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous. Do not reuse container.



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## 7. Handling and storage

**Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. Exposure controls/personal protection

### Control

#### Occupational exposure limits

Ingredient name	Exposure limits
Distillates (petroleum), hydrotreated middle; Gasoil - unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately 205°C to 400°C (401°F to 752°F).]	<b>NIOSH REL (United States, 10/2013).</b> TWA: 5 mg/m <sup>3</sup> 10 hours. Form: Mist STEL: 10 mg/m <sup>3</sup> 15 minutes. Form: Mist

**Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

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## 8. Exposure controls/personal protection

- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## 9. Physical and chemical properties

### Appearance

- Physical state** : Liquid.
- Color** : Yellow.
- Odor** : Characteristic.
- Odor threshold** : Not available.
- pH** : Not available.
- Melting point** : Not available.
- Boiling point** : Not available.
- Flash point** : Closed cup: 68°C (154.4°F)
- Evaporation rate** : Not available.
- Flammability (solid, gas)** : Not available.
- Lower and upper explosive (flammable) limits** : Not available.
- Vapor pressure** : 0.067 kPa (0.5 mm Hg) [room temperature]
- Vapor density** : Not available.
- Relative density** : 0.81 to 0.83
- Solubility** : Not available.
- Partition coefficient: n-octanol/water** : Not available.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.
- Viscosity** : Kinematic (40°C (104°F)): <0.07 cm<sup>2</sup>/s (<7 cSt)
- Flow time (ISO 2431)** : Not available.

## 10. Stability and reactivity

- Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
- Incompatible materials** : Reactive or incompatible with the following materials:  
oxidizing materials
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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# 11. Toxicological information

## Information on toxicological effects

### Acute toxicity

Not available.

### Irritation/Corrosion

Not available.

### Sensitization

Not available.

### Mutagenicity

Not available.

### Carcinogenicity

Not available.

### Reproductive toxicity

Not available.

### Teratogenicity

Not available.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Name	Result
Distillates (petroleum), hydrotreated middle; Gasoil - unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately 205°C to 400°C (401°F to 752°F).]	ASPIRATION HAZARD - Category 1

**Information on the likely routes of exposure** : Not available.

### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : No known significant effects or critical hazards.

**Ingestion** : May be fatal if swallowed and enters airways.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : No specific data.

**Inhalation** : No specific data.

**Skin contact** : No specific data.

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## 11. Toxicological information

**Ingestion** : Adverse symptoms may include the following:  
nausea or vomiting

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Potential chronic health effects

Not available.

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

## 12. Ecological information

### Toxicity

Not available.

### Persistence and degradability

Not available.

### Bioaccumulative potential

Not available.

### Mobility in soil

**Soil/water partition coefficient ( $K_{oc}$ )** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

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## 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## 14. Transport information

Not a DOT controlled material (United States). Not a TDG-controlled material. This preparation is not classified as dangerous according to international transport regulations (ADR/RID, IMDG or ICAO/IATA).

## 15. Regulatory information

**U.S. Federal regulations** : **TSCA 8(a) PAIR**: octanal; decanal; phenylacetaldehyde  
**TSCA 8(a) CDR Exempt/Partial exemption**: Not determined  
**United States inventory (TSCA 8b)**: All components are listed or exempted.

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Not listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

### SARA 302/304

#### Composition/information on ingredients

No products were found.

**SARA 304 RQ** : Not applicable.

### SARA 311/312

**Classification** : Fire hazard

#### Composition/information on ingredients

No products were found.

### State regulations

**Massachusetts** : The following components are listed: OIL MIST, MINERAL

**New York** : None of the components are listed.

**Code #** : FF890555 (D8183352) **SDS #** : D8183352 v2.0 **Date of issue** : 18/05/2017  
 NA

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## 15. Regulatory information

- New Jersey** : The following components are listed: MINERAL OIL (UNTREATED and MILDLY TREATED)
- Pennsylvania** : The following components are listed: MINERAL OIL MIST
  
- Canada**
- WHMIS (Canada)** : Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).
- Canadian lists**
- Canadian NPRI** : None of the components are listed.
- CEPA Toxic substances** : None of the components are listed.
- Canada inventory** : All components are listed or exempted.
  
- Label elements**
- Signal word** : DANGER  
POISON
- Hazard statements** : HARMFUL OR FATAL IF SWALLOWED.  
MAY IRRITATE EYES
- Precautionary measures** : Keep out of reach of children.  
Do not ingest.  
Do not get in eyes.

## 16. Other information

**Hazardous Material Information System (U.S.A.)** :

Health	*	2
Flammability		2
Physical hazards		0
Personal protection		B

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

**National Fire Protection Association (U.S.A.)** :



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## 16. Other information

Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

<b>Key to abbreviations</b>	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations
<b>Date of issue</b>	: 18/05/2017
<b>Date of previous issue</b>	: 09/09/2014.
<b>Version</b>	: 2
<b>Prepared by</b>	: Reckitt Benckiser LLC. Product Safety Department 1 Philips Parkway Montvale, New Jersey 07646-1810 USA. FAX: 201-476-7770

**Revision comments** : Update & Revision of the SDS.

☑ Indicates information that has changed from previously issued version.

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



RB is a member of the CSPA Product Care Product Stewardship Program.

## SAFETY DATA SHEET

Version 5.1  
 Revision Date 08/26/2014  
 Print Date 05/26/2016

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	: Omniglow Blue #269328		
Product Number	: Q21727		
Brand	: Aldrich		
Product Use	: For laboratory research purposes.		
Supplier	: Sigma-Aldrich Canada Co. 2149 Winston Park Drive OAKVILLE ON L6H 6J8 CANADA	Manufacturer	: Sigma-Aldrich Corporation 3050 Spruce St. St. Louis, Missouri 63103 USA
Telephone	: +1 9058299500		
Fax	: +1 9058299292		
Emergency Phone # (For both supplier and manufacturer)	: 1-800-424-9300		
Preparation Information	: Sigma-Aldrich Corporation Product Safety - Americas Region 1-800-521-8956		

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

#### WHMIS Classification

D2B	Toxic Material Causing Other Toxic Effects	Moderate skin irritant Moderate respiratory irritant Moderate eye irritant
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#### GHS Classification

Skin irritation (Category 2)  
 Eye irritation (Category 2A)  
 Specific target organ toxicity - single exposure (Category 3)

#### GHS Label elements, including precautionary statements

Pictogram



Signal word: Warning

Hazard statement(s)

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Precautionary statement(s)

P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### HMIS Classification

Health hazard:	2
Flammability:	0
Physical hazards:	0

#### Potential Health Effects



<b>Inhalation</b>	May be harmful if inhaled. Causes respiratory tract irritation.
<b>Skin</b>	May be harmful if absorbed through skin. Causes skin irritation.
<b>Eyes</b>	Causes eye irritation.
<b>Ingestion</b>	May be harmful if swallowed.

---

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula : C<sub>28</sub>H<sub>21</sub>ClO<sub>2</sub>  
Molecular weight : 424.93 g/mol

CAS-No.	EC-No.	Index-No.	Concentration
<b>9,10-Bis(4-methoxyphenyl)-2-chloroanthracene</b>			
110904-87-5	-	-	<=100%

---

### 4. FIRST AID MEASURES

**General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

---

### 5. FIREFIGHTING MEASURES

**Conditions of flammability**

Not flammable or combustible.

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special protective equipment for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**Hazardous combustion products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas

**Explosion data - sensitivity to mechanical impact**

No data available

**Explosion data - sensitivity to static discharge**

No data available

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### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

**Environmental precautions**

Do not let product enter drains.

**Methods and materials for containment and cleaning up**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

---

### 7. HANDLING AND STORAGE

**Precautions for safe handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

### Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place.

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Personal protective equipment

#### Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### Eye protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin and body protection

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Specific engineering controls

Use mechanical exhaust or laboratory fumehood to avoid exposure.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form	solid
Colour	No data available

### Safety data

pH	No data available
Melting point/freezing point	Melting point/range: 240 - 242 °C (464 - 468 °F)
Boiling point	No data available
Flash point	No data available
Ignition temperature	No data available
Auto-ignition temperature	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure	No data available
Density	No data available
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Relative vapour density	No data available

Odour	No data available
Odour Threshold	No data available
Evaporation rate	No data available

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## 10. STABILITY AND REACTIVITY

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

No data available

### Conditions to avoid

No data available

### Materials to avoid

Strong oxidizing agents

### Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas  
Other decomposition products - No data available

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## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

#### Oral LD50

No data available

#### Inhalation LC50

#### Dermal LD50

No data available

#### Other information on acute toxicity

No data available

### Skin corrosion/irritation

No data available

### Serious eye damage/eye irritation

No data available

### Respiratory or skin sensitisation

No data available

### Germ cell mutagenicity

No data available

### Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

### Reproductive toxicity

No data available

### Teratogenicity

No data available

### Specific target organ toxicity - single exposure (Globally Harmonized System)

Inhalation - May cause respiratory irritation.

**Specific target organ toxicity - repeated exposure (Globally Harmonized System)**

No data available

**Aspiration hazard**

No data available

**Potential health effects**

<b>Inhalation</b>	May be harmful if inhaled. Causes respiratory tract irritation.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Skin</b>	May be harmful if absorbed through skin. Causes skin irritation.
<b>Eyes</b>	Causes eye irritation.

**Signs and Symptoms of Exposure**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Synergistic effects**

No data available

**Additional Information**

RTECS: Not available

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**12. ECOLOGICAL INFORMATION****Toxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**PBT and vPvB assessment**

No data available

**Other adverse effects**

No data available

---

**13. DISPOSAL CONSIDERATIONS****Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**

Dispose of as unused product.

---

**14. TRANSPORT INFORMATION****DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

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**15. REGULATORY INFORMATION****WHMIS Classification**

D2B

Toxic Material Causing Other Toxic Effects

Moderate skin irritant

Moderate respiratory irritant

Moderate eye irritant

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

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## 16. OTHER INFORMATION

### Further information

Copyright 2014 Sigma-Aldrich Co. LLC. License granted to make unlimited paper copies for internal use only. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.sigma-aldrich.com](http://www.sigma-aldrich.com) and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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# Safety Data Sheet

## Polish Compound

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Distributor** Research Technology International, Inc  
4700 W. Chase Avenue  
Lincolnwood, IL 60712

**Telephone** (847) 677-3000 **Fax** (847) 677-1311

**Product Name** Polish Compound

**Recommended Use** Plastic and polycarbonate lens polish

**Restrictions on Use** Not Applicable

**Emergency Contact Number** (800) 424-9300 (US and Canada); (703) 527-3887 (outside US and Canada; collect calls accepted)

### SECTION 2: HAZARD IDENTIFICATION

**Hazards:** This product is not classified. **Signal Word:** Not Applicable

**Hazards Not Otherwise Classified**  
See Section 11

**Precautionary Statements**  
Not Applicable

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	CAS#	Component Percent
Aluminum oxide	1344-28-1	10 – 25
Aluminum nitrate nonahydrate	7784-27-1	2 – 4
Water	7732-18-5	Balance

### SECTION 4: FIRST AID MEASURES

**Eye:** Immediately flush eyes with plenty of water and remove contact lenses if easy to do. Avoid rubbing which may cause scratching of the eyes. Seek medical attention if irritation persists.

**Skin:** Wash affected area with soap and water; seek medical attention if irritation occurs and persists.

**Inhalation:** Move to fresh air if required. Get medical aid if symptoms such as difficulty breathing or shortness of breath occur and persist.

**Ingestion:** Do not give anything by mouth to victim if unconscious or drowsy. Drink several glasses of water to dilute. Seek medical attention if large amounts are swallowed or if symptoms occur and persist.

**Most Important Symptoms / Effects:** None known

**Indication of Immediate Medical Attention and Special Treatment, if Necessary:** Ongoing or serious symptoms; show label or SDS to medical professional to assist in treatment.

### SECTION 5: FIREFIGHTING MEASURES

**Suitable Extinguishing Media:** Product does not burn. Use fire-fighting techniques appropriate for the surrounding fire.

**Unsuitable Extinguishing Media:** Not Applicable

**Specific Hazards Arising from the Product:** Slightly acrid vapors and nitrogen oxides may be released in an intense fire after water is evaporated.

**Specific Protective Equipment and Precautions for Fire-Fighters:** Use a water spray to cool fire-exposed containers and structures and to protect personnel. Use equipment and precautions appropriate to surrounding fire.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

See Section 8 for Personal Protective Equipment

**Personal Precautions:** No special precautions; see Section 8.**Environmental Precautions:** Not Applicable**Methods for Cleaning Up:** Spill area may be slippery. Clean up small spill with rags or paper towels. Contain or absorb large spill with inert material such as sand or vermiculite and place in suitable container for later use or disposal.**SECTION 7: HANDLING AND STORAGE**

See Section 8 for Personal Protective Equipment

**Handling:** Read and observe all warnings on label. Do not eat or drink while using product. Avoid contact with eyes or prolonged skin contact. Wash hands and other contact areas before eating or drinking or at end of task.**Storage:** Keep from freezing and out of reach of children. Keep closed when not in use and avoid letting product dry out.**SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION****Exposure Limits****Component Name****ACGIH TLV****OSHA PEL**

Not Applicable

**Engineering Controls:** Not normally required. Use adequate local or mechanical ventilation to maintain good air quality.**Eye and Face Protection:** Not necessary under normal use conditions. Wear eye and face protection and have eye wash or fresh water available if appropriate to work assignment.**Skin Protection:** Not necessary under normal use conditions. Wear protective gloves if appropriate to work assignment.**Respiratory Protection:** Not normally required. Wear NIOSH N95 dust mask if handling solids from this product.**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance/Physical State</b>	Milky white emulsion	<b>Flash Point (PMCC)</b>	Not Applicable
<b>Specific Gravity (Water=1)</b>	1.1	<b>Upper Flammability Limits</b>	Not Applicable
<b>Evaporation Rate (butyl acetate = 1)</b>	Not Determined	<b>Lower Flammability Limits</b>	Not Applicable
<b>pH</b>	3 – 4	<b>Auto-ignition Temperature</b>	Not Applicable
<b>Solubility in Water</b>	Partial	<b>Decomposition Temperature</b>	Not Applicable
<b>Odor</b>	Faint	<b>Vapor Pressure (20 °C)</b>	Not Determined
<b>Odor Threshold</b>	Not Determined	<b>Vapor Density (Air=1)</b>	Not Determined
<b>Melting/Freezing Point</b>	Not Determined	<b>Partition Coefficient (n-octanol/water)</b>	Not Determined
<b>Boiling Range</b>	Not Determined	<b>Viscosity (mPas, 20 °C)</b>	Not Determined
<b>Initial Boiling Point</b>	212 °F	<b>Critical Temperature</b>	Not Determined

Note: Data are provided for safety, health and environmental considerations and do not fully represent product specifications. Those should be requested separately.

**SECTION 10: STABILITY AND REACTIVITY****Reactivity:** Stable**Chemical Stability:** Stable at normal storage and use conditions.**Possibility of Hazardous Reactions:** Does not occur under normal use and storage conditions.**Conditions to Avoid:** None expected under normal use and storage conditions.**Incompatible Materials:** None expected under normal use and storage conditions.**SECTION 11: TOXICOLOGICAL INFORMATION****Acute Toxicity Effects:** None known. General symptoms of eye irritation include pain, tearing, reddening and swelling. Possible skin irritation symptoms include a burning sensation, rash and redness. Symptoms of respiratory irritation include runny nose, sore throat, cough, chest discomfort, shortness of breath and reduced lung function.**Chronic Toxicity Effects:** None known**Carcinogenicity:** NTP, OSHA and IARC have not identified carcinogenic ingredients in this product.

**SECTION 12: ECOLOGICAL INFORMATION**

Specific environmental tests have not been conducted on this mixture. The product is not classified as an environmental hazard based on its components.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Use contents if possible before disposal. Dispose of contents and container in accordance with local, state/provincial and federal regulations.

**SECTION 14: TRANSPORT INFORMATION**

**DOT, TDG, IATA, IMDG:** Not Regulated

**SECTION 15: REGULATORY INFORMATION**

**TSCA and DSL Status:** All components are listed on TSCA and DSL inventories

**SARA 311/312 Reporting Categories:** None

**SARA 313 Reportable Ingredients:** None

**California Proposition 65:** Does not contain any chemicals causing cancer, birth defects or other reproductive harm.

**WHMIS:** Not Controlled

**HMIS:** 0-0-0

**NFPA:** 0-0-0

**SECTION 16: OTHER INFORMATION**

**Department Issuing SDS:** Health and Safety

**Disclaimer**

All information, recommendations and suggestions on this safety data sheet have been compiled from tests and data believed to be reliable.

No warranty or guarantee, expressed or implied, is made as to the accuracy or completeness of the data contained herein.

It is the user's responsibility to determine the safety, toxicity and suitability for their own use of the product described herein.



**PURELL® Advanced Hand Rub with Aloe**

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**SECTION 1. IDENTIFICATION**

Product name : PURELL® Advanced Hand Rub with Aloe

**Manufacturer or supplier's details**

Company name of supplier : GOJO Industries, Inc.

Address : One GOJO Plaza, Suite 500  
Akron OH 44311

Telephone : 1 (330) 255-6000

Emergency telephone : 1-800-424-9300 CHEMTREC

**Recommended use of the chemical and restrictions on use**

Recommended use : Hand Sanitizer

Restrictions on use : This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. Cosmetics and consumer products, specifically defined by regulations around the world, are exempt from the requirement of an SDS for the consumer. While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other users of this product. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.

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**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Flammable liquids : Category 3

Eye irritation : Category 2A

**GHS Label element**

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H226 Flammable liquid and vapor.  
H319 Causes serious eye irritation.


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Precautionary Statements : **Prevention:**  
 P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 P233 Keep container tightly closed.  
 P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
 P242 Use only non-sparking tools.  
 P243 Take precautionary measures against static discharge.  
 P264 Wash skin thoroughly after handling.  
 P280 Wear protective gloves/ eye protection/ face protection.  
**Response:**  
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337 + P313 If eye irritation persists: Get medical advice/ attention.  
**Storage:**  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
**Disposal:**  
 P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

Vapors may form explosive mixture with air.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

**Hazardous ingredients**

Chemical Name	CAS-No.	Concentration (%)
Ethanol	64-17-5	>= 50 - < 70
Propan-2-ol	67-63-0	>= 1 - < 5

**SECTION 4. FIRST AID MEASURES**

General advice : In the case of accident or if you feel unwell, seek medical advice immediately.  
 When symptoms persist or in all cases of doubt seek medical advice.

If inhaled : If inhaled, remove to fresh air.  
 Get medical attention if symptoms occur.

In case of skin contact : Wash with water and soap as a precaution.  
 Get medical attention if symptoms occur.

In case of eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.  
 If easy to do, remove contact lens, if worn.


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	Get medical attention.
If swallowed	: If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed	: Causes serious eye irritation.
Protection of first-aiders	: First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists.
Notes to physician	: Treat symptomatically and supportively.

---

**SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media	: Water spray Alcohol-resistant foam Dry chemical Carbon dioxide (CO <sub>2</sub> )
Unsuitable extinguishing media	: High volume water jet
Specific hazards during fire fighting	: Do not use a solid water stream as it may scatter and spread fire. Flash back possible over considerable distance. Vapors may form explosive mixtures with air. Exposure to combustion products may be a hazard to health.
Hazardous combustion products	: Carbon oxides
Specific extinguishing methods	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
Special protective equipment for fire-fighters	: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

---

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures	: Remove all sources of ignition. Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.
Environmental precautions	: Discharge into the environment must be avoided.



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Prevent further leakage or spillage if safe to do so.  
Prevent spreading over a wide area (e.g. by containment or oil barriers).  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up : Non-sparking tools should be used.  
Soak up with inert absorbent material.  
Suppress (knock down) gases/vapors/mists with a water spray jet.  
For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container.  
Clean up remaining materials from spill with suitable absorbent.  
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.  
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

---

### SECTION 7. HANDLING AND STORAGE

Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Local/Total ventilation : Use with local exhaust ventilation.  
Use only in an area equipped with explosion proof exhaust ventilation.

Advice on safe handling : Do not breathe vapors or spray mist.  
Do not swallow.  
Do not get in eyes.  
Avoid prolonged or repeated contact with skin.  
Handle in accordance with good industrial hygiene and safety practice.  
Non-sparking tools should be used.  
Keep container tightly closed.  
Keep away from heat and sources of ignition.  
Take precautionary measures against static discharges.  
Take care to prevent spills, waste and minimize release to the environment.

Conditions for safe storage : Keep in properly labeled containers.  
Keep tightly closed.  
Keep in a cool, well-ventilated place.  
Store in accordance with the particular national regulations.  
Keep away from heat and sources of ignition.

Materials to avoid : Do not store with the following product types:  
Strong oxidizing agents

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Organic peroxides  
 Flammable solids  
 Pyrophoric liquids  
 Pyrophoric solids  
 Self-heating substances and mixtures  
 Substances and mixtures which in contact with water emit flammable gases  
 Explosives  
 Gases

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**
**Ingredients with workplace control parameters**

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ethanol	64-17-5	TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	OSHA Z-1
		STEL	1,000 ppm	ACGIH
Propan-2-ol	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		TWA	400 ppm 980 mg/m <sup>3</sup>	NIOSH REL
		ST	500 ppm 1,225 mg/m <sup>3</sup>	NIOSH REL
		TWA	400 ppm 980 mg/m <sup>3</sup>	OSHA Z-1

**Biological occupational exposure limits**

Ingredients	CAS-No.	Control parameters	Biological specimen	Sam-pling time	Permissible concentration	Basis
Propan-2-ol	67-63-0	Acetone	Urine	End of shift at end of work-week	40 mg/l	ACGIH BEI

**Engineering measures** : Minimize workplace exposure concentrations.  
 Use only in an area equipped with explosion proof exhaust ventilation.  
 Use with local exhaust ventilation.

**Personal protective equipment**

Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and


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use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

- Hand protection
- Material : Impervious gloves
- Material : Flame retardant gloves
- Remarks : Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.
- Eye protection : Wear the following personal protective equipment:  
Safety goggles
- Skin and body protection : Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential.  
Wear the following personal protective equipment:  
Flame retardant antistatic protective clothing.  
Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).
- Hygiene measures : Ensure that eye flushing systems and safety showers are located close to the working place.  
When using do not eat, drink or smoke.  
Wash contaminated clothing before re-use.

---

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance : liquid
- Color : clear, light green
- Odor : alcohol-like
- Odor Threshold : No data available
- pH : 6.5 - 8.5
- Melting point/freezing point : No data available
- Initial boiling point and boiling range : 76 °C

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Flash point	:	24 °C
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Density	:	0.881 g/cm <sup>3</sup>
Solubility(ies)	:	
Water solubility	:	soluble
Partition coefficient: n-octanol/water	:	Not applicable
Autoignition temperature	:	No data available
Decomposition temperature	:	The substance or mixture is not classified self-reactive.
Viscosity	:	
Viscosity, kinematic	:	3,500 - 23,000 mm <sup>2</sup> /s (20 °C)
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.

---

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	Flammable liquid and vapor. Vapors may form explosive mixture with air. Can react with strong oxidizing agents.
Conditions to avoid	:	Heat, flames and sparks.
Incompatible materials	:	Oxidizing agents
Hazardous decomposition products	:	No hazardous decomposition products are known.






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**Ethanol:**

Species: Rabbit  
 Result: Irritation to eyes, reversing within 21 days  
 Method: OECD Test Guideline 405

**Propan-2-ol:**

Species: Rabbit  
 Result: Irritation to eyes, reversing within 21 days

**Respiratory or skin sensitization**

Skin sensitization: Not classified based on available information.  
 Respiratory sensitization: Not classified based on available information.

**Product:**

Assessment: Does not cause skin sensitization.

**Ingredients:**
**Ethanol:**

Test Type: Local lymph node assay (LLNA)  
 Routes of exposure: Skin contact  
 Species: Mouse  
 Result: negative

**Propan-2-ol:**

Test Type: Buehler Test  
 Routes of exposure: Skin contact  
 Species: Guinea pig  
 Method: OECD Test Guideline 406  
 Result: negative

**Germ cell mutagenicity**

Not classified based on available information.

**Ingredients:**
**Ethanol:**

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test  
 Result: negative

Genotoxicity in vivo : Test Type: Rodent dominant lethal test (germ cell) (in vivo)  
 Species: Mouse  
 Application Route: Ingestion  
 Result: negative

**Propan-2-ol:**

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
 Result: negative

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo  
 cytogenetic assay)  
 Species: Mouse  
 Application Route: Intraperitoneal injection  
 Result: negative


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**Carcinogenicity**

Not classified based on available information.

**Ingredients:**
**Propan-2-ol:**

Species: Rat

Application Route: inhalation (vapor)

Exposure time: 104 weeks

Method: OECD Test Guideline 451

Result: negative

**IARC**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**NTP**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity**

Not classified based on available information.

**Ingredients:**
**Ethanol:**

Effects on fertility

: Test Type: Two-generation reproduction toxicity study  
 Species: Mouse  
 Application Route: Ingestion  
 Method: OECD Test Guideline 416  
 Result: negative

**Propan-2-ol:**

Effects on fertility

: Test Type: Two-generation reproduction toxicity study  
 Species: Rat  
 Application Route: Ingestion  
 Result: negative

Effects on fetal development

: Test Type: Embryo-fetal development  
 Species: Rat  
 Application Route: Ingestion  
 Result: negative

**STOT-single exposure**

Not classified based on available information.

**Ingredients:**
**Propan-2-ol:**

Assessment: May cause drowsiness or dizziness.


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**STOT-repeated exposure**

Not classified based on available information.

**Repeated dose toxicity**
**Ingredients:**
**Ethanol:**

Species: Rat  
 NOAEL: 2,400 mg/kg  
 Application Route: Ingestion  
 Exposure time: 2 y

**Propan-2-ol:**

Species: Rat  
 NOAEL: 5000 ppm  
 Application Route: inhalation (vapor)  
 Exposure time: 104 w  
 Method: OECD Test Guideline 413

**Aspiration toxicity**

Not classified based on available information.

**SECTION 12. ECOLOGICAL INFORMATION**
**Ecotoxicity**
**Ingredients:**
**Ethanol:**

Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): > 1,000 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 1,000 mg/l Exposure time: 48 h
Toxicity to algae	:	EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC (Daphnia magna (Water flea)): 9.6 mg/l Exposure time: 9 d
Toxicity to bacteria	:	EC50 (Photobacterium phosphoreum): 32.1 mg/l Exposure time: 0.25 h

**Propan-2-ol:**

Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): 10,000 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 10,000 mg/l Exposure time: 24 h
Toxicity to algae	:	ErC50 (Scenedesmus quadricauda (Green algae)): > 1,800 mg/l


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Exposure time: 8 d

Toxicity to bacteria : EC50 (*Pseudomonas putida*): > 1,050 mg/l  
Exposure time: 16 h

**Persistence and degradability**
**Ingredients:**
**Ethanol:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 84 %  
Exposure time: 20 d

**Propan-2-ol:**

Biodegradability : Result: rapidly degradable

**Bioaccumulative potential**
**Ingredients:**
**Ethanol:**

Partition coefficient: n-octanol/water : log Pow: -0.35

**Propan-2-ol:**

Partition coefficient: n-octanol/water : log Pow: 0.05

**Mobility in soil**

No data available

**Other adverse effects**

No data available

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**SECTION 13. DISPOSAL CONSIDERATIONS**
**Disposal methods**

Waste from residues : Dispose of in accordance with local regulations.

Contaminated packaging : Dispose of as unused product.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.  
Do not burn, or use a cutting torch on, the empty drum.

---

**SECTION 14. TRANSPORT INFORMATION**
**International Regulation**
**UNRTDG**

UN number : UN 1987  
Proper shipping name : ALCOHOLS, N.O.S.


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(Ethanol, Propan-2-ol)

Class : 3  
 Packing group : III  
 Labels : 3

**IATA-DGR**

UN/ID No. : UN 1987  
 Proper shipping name : Alcohols, n.o.s.  
 (Ethanol, Propan-2-ol)

Class : 3  
 Packing group : III  
 Labels : Flammable Liquids  
 Packing instruction (cargo aircraft) : 366  
 Packing instruction (passenger aircraft) : 355

**IMDG-Code**

UN number : UN 1987  
 Proper shipping name : ALCOHOLS, N.O.S.  
 (Ethanol, Propan-2-ol)

Class : 3  
 Packing group : III  
 Labels : 3  
 EmS Code : F-E, S-D  
 Marine pollutant : no

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**Domestic regulation**
**49 CFR**

UN/ID/NA number : UN 1987  
 Proper shipping name : ALCOHOLS, N.O.S.

Class : 3  
 Packing group : III  
 Labels : FLAMMABLE LIQUID  
 ERG Code : 127  
 Marine pollutant : no

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**SECTION 15. REGULATORY INFORMATION**
**EPCRA - Emergency Planning and Community Right-to-Know**
**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Fire Hazard


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## Acute Health Hazard

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

Propan-2-ol	67-63-0	3.4086 %
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**US State Regulations**
**Pennsylvania Right To Know**

Ethanol	64-17-5	50 - 70 %
Water	7732-18-5	30 - 50 %
Propan-2-ol	67-63-0	1 - 5 %

**New Jersey Right To Know**

Ethanol	64-17-5	50 - 70 %
Water	7732-18-5	30 - 50 %
Propan-2-ol	67-63-0	1 - 5 %

**California Prop 65** This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

**The ingredients of this product are reported in the following inventories:**

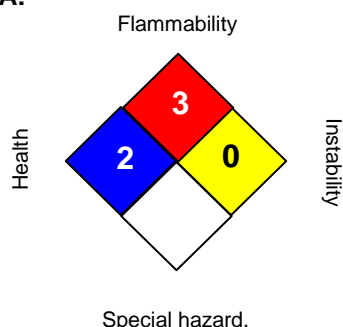
AICS : All ingredients listed or exempt.

**Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), NECSI (Taiwan), TSCA (USA)

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**SECTION 16. OTHER INFORMATION**
**Further information**
**NFPA:**

**HMIS III:**

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>3</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 = Slight,  
 2 = Moderate, 3 = High  
 4 = Extreme, \* = Chronic

**Full text of other abbreviations**

ACGIH	: USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI	: ACGIH - Biological Exposure Indices (BEI)
NIOSH REL	: USA. NIOSH Recommended Exposure Limits
OSHA Z-1	: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
ACGIH / TWA	: 8-hour, time-weighted average
ACGIH / STEL	: Short-term exposure limit
NIOSH REL / TWA	: Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
NIOSH REL / ST	: STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
OSHA Z-1 / TWA	: 8-hour time weighted average

Sources of key data used to compile the Material Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

Revision Date : 02/10/2015

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

US / Z8

**1. Identification**

**Product identifier** QUICK & CLEAN CITRUS-SCRUB

**Other means of identification**

**SDS number** 584N-009A

**Product code** HIL01005

**Recommended use** General Cleaner Degreaser

**Recommended restrictions** For Labeled Use Only

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer**

**Company name** HILLYARD INDUSTRIES

**Address** 302 North Fourth St.

St. Joseph, MO 64501

**Contact person** Regulatory Affairs

**Telephone number** (816) 233-1321 (Ext. 8285)

**Fax** (816) 383-8485

**E-mail** regulatoryaffairs@hillyard.com

**Emergency telephone #** (800) 424-9300

(Only in the event of chemical emergency involving a spill, leak, fire, exposure or accident involving chemicals)

**2. Hazard(s) identification**

**Physical hazards** Flammable liquids Category 3

**Health hazards** Sensitization, skin Category 1B

**Environmental hazards** Hazardous to the aquatic environment, acute hazard Category 3

Hazardous to the aquatic environment, long-term hazard Category 4

**OSHA defined hazards** Not classified.

**Label elements**



**Signal word** Warning

**Hazard statement** Flammable liquid and vapor. May cause an allergic skin reaction. Harmful to aquatic life. May cause long lasting harmful effects to aquatic life.

**Precautionary statement**

**Prevention** Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing mist/vapor. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/eye protection/face protection.

**Response** If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. In case of fire: Use appropriate media to extinguish.

**Storage** Store in a well-ventilated place. Keep cool.



<b>Disposal</b>	Buyer assumes all risk and liability associated with disposal of this product (original concentration or dilution) in violation of applicable law in compliance with applicable federal, state and local requirements.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.
<b>Supplemental information</b>	None.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
D-Limonene		5989-27-5	5 - < 10
Other components below reportable levels			90 - 100

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur.
<b>Most important symptoms/effects, acute and delayed</b>	Direct contact with eyes may cause temporary irritation. May cause an allergic skin reaction. Dermatitis. Rash.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	Flammable liquid and vapor.

### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
--	---

**Methods and materials for containment and cleaning up**

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. This product is miscible in water. Prevent entry into waterways, sewer, basements or confined areas.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

**Environmental precautions**

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

**7. Handling and storage**

**Precautions for safe handling**

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities**

Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

**8. Exposure controls/personal protection**

**Occupational exposure limits**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls**

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Wear safety glasses with side shields (or goggles). Chemical splash goggles where there is a potential for eye contact.

**Skin protection**

**Hand protection**

Wear appropriate chemical resistant gloves.

**Other**

Avoid contact with the skin. Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

**Respiratory protection**

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Not normally required with adequate ventilation.

**Thermal hazards**

Not available.

**General hygiene considerations**

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

**9. Physical and chemical properties**

**Appearance**

Clear, orange liquid

**Physical state**

Liquid.

**Form**

Liquid.

<b>Color</b>	Orange.
<b>Odor</b>	Citrus odor
<b>Odor threshold</b>	Not available
<b>pH</b>	7.6 - 8.3
<b>Melting point/freezing point</b>	Not applicable / Not available
<b>Initial boiling point and boiling range</b>	207 °F (97.22 °C)
<b>Flash point</b>	128.0 °F (53.3 °C) Tag Closed Cup
<b>Evaporation rate</b>	< 1 (ethyl ether = 1)
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	17.4 mm Hg
<b>Vapor density</b>	0.84 Air = 1
<b>Relative density</b>	0.9968 at 77°F
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	100 % Complete
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available
<b>Viscosity</b>	Not available
<b>Other information</b>	
<b>Density</b>	8.30
<b>Explosive properties</b>	Not explosive.
<b>Oxidizing properties</b>	Not oxidizing.
<b>Percent volatile</b>	90.5 - 91.5 %
<b>Specific gravity</b>	1
<b>VOC</b>	5.14 %

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Prolonged inhalation may be harmful.
<b>Skin contact</b>	May cause an allergic skin reaction.
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.
<b>Ingestion</b>	Expected to be a low ingestion hazard.

**Symptoms related to the physical, chemical and toxicological characteristics** May cause an allergic skin reaction. Dermatitis. Rash.

### Information on toxicological effects

**Acute toxicity** Not known.

Product	Species	Test Results
QUICK & CLEAN CITRUS-SCRUB		
<b>Acute</b>		
<b>Oral</b>		
LD50	Dog	3.489e+006 mg/kg
Components	Species	Test Results
D-Limonene (CAS 5989-27-5)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Mouse	5600 - 6600 mg/kg
<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation.	
<b>Serious eye damage/eye irritation</b>	Direct contact with eyes may cause temporary irritation.	
<b>Respiratory or skin sensitization</b>		
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.	
<b>Skin sensitization</b>	May cause an allergic skin reaction.	
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
<b>Carcinogenicity</b>	Risk of cancer cannot be excluded with prolonged exposure.	
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>		
D-Limonene (CAS 5989-27-5)	3 Not classifiable as to carcinogenicity to humans.	
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)</b>		
Not regulated.		
<b>US. National Toxicology Program (NTP) Report on Carcinogens</b>		
Not listed.		
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.	
<b>Specific target organ toxicity - single exposure</b>	Not classified.	
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.	
<b>Aspiration hazard</b>	Prolonged inhalation may be harmful.	
<b>Chronic effects</b>	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.	

## 12. Ecological information

<b>Ecotoxicity</b>	Harmful to aquatic life. May cause long lasting harmful effects to aquatic life.		
Product	Species	Test Results	
QUICK & CLEAN CITRUS-SCRUB			
<b>Aquatic</b>			
Crustacea	EC50	Daphnia	1332.3243 mg/l, 48 hours estimated
Fish	LC50	Fish	12.3797 mg/l, 96 hours estimated
Components	Species	Test Results	
D-Limonene (CAS 5989-27-5)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia pulex)	69.6 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	0.619 - 0.796 mg/l, 96 hours
<b>Persistence and degradability</b>	No data is available on the degradability of this product.		
<b>Bioaccumulative potential</b>			
<b>Partition coefficient n-octanol / water (log Kow)</b>			
D-Limonene		4.232	
<b>Mobility in soil</b>	No data available.		
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.		

### 13. Disposal considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	D001: Waste Flammable material with a flash point <140 F The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. Transport information

<b>DOT</b>	Not regulated as dangerous goods.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not established.
<b>General information</b>	This material is regulated under IATA and IMDG regulations. Contact manufacturer for shipping instructions.

### 15. Regulatory information

<b>US federal regulations</b>	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
<b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b>	Not regulated.
<b>CERCLA Hazardous Substance List (40 CFR 302.4)</b>	Not listed.
<b>SARA 304 Emergency release notification</b>	Not regulated.
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)</b>	Not regulated.
<b>Superfund Amendments and Reauthorization Act of 1986 (SARA)</b>	
<b>SARA 302 Extremely hazardous substance</b>	Not listed.
<b>SARA 311/312 Hazardous chemical</b>	Yes
<b>Classified hazard categories</b>	Flammable (gases, aerosols, liquids, or solids) Respiratory or skin sensitization
<b>SARA 313 (TRI reporting)</b>	Not regulated.
<b>Other federal regulations</b>	
<b>Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List</b>	Not regulated.
<b>Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)</b>	Not regulated.
<b>Safe Drinking Water Act (SDWA)</b>	Not regulated.

**International Inventories**

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision**

<b>Issue date</b>	02-13-2015
<b>Revision date</b>	06-08-2018
<b>Version #</b>	02
<b>HMIS® ratings</b>	Health: 2 Flammability: 2 Physical hazard: 0

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**Revision information** This document has undergone significant changes and should be reviewed in its entirety.



## Safety Data Sheet

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<b>Issue Date:</b>	05/22/18	<b>Supersedes Date:</b>	01/30/18

### SECTION 1: Identification

#### 1.1. Product identifier

Scotch® Super Glue Gel, AD112, AD113, AD132, AD119

#### Product Identification Numbers

44-0046-3711-0, 44-0046-3712-8, 44-0049-7405-9, 70-0050-4944-3, 70-0050-5569-7, 70-0050-5680-2, 70-0050-7867-3, 70-0051-1951-9, 70-0051-2378-4, 70-0051-4213-1, 70-0051-5814-5, 70-0051-7682-4, 70-0051-8193-1, 70-0051-8694-8

#### 1.2. Recommended use and restrictions on use

##### Recommended use

Glue

#### 1.3. Supplier's details

<b>MANUFACTURER:</b>	3M
<b>DIVISION:</b>	Stationery and Office Supplies Division
<b>ADDRESS:</b>	3M Center, St. Paul, MN 55144-1000, USA
<b>Telephone:</b>	1-888-3M HELPS (1-888-364-3577)

#### 1.4. Emergency telephone number

1-800-364-3577 or (651) 737-6501 (24 hours)

### SECTION 2: Hazard identification

#### 2.1. Hazard classification

Flammable Liquid: Category 4.

Serious Eye Damage/Irritation: Category 2A.

Specific Target Organ Toxicity (single exposure): Category 3.

#### 2.2. Label elements

##### Signal word

Warning

##### Symbols

Exclamation mark |

##### Pictograms



**Hazard Statements**

Combustible liquid.

Causes serious eye irritation.  
May cause respiratory irritation.

**Precautionary Statements**

**General:**

Keep out of reach of children.

**Prevention:**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Avoid breathing dust/fume/gas/mist/vapors/spray.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves and eye/face protection.  
Wash thoroughly after handling.

**Response:**

IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.  
Call a POISON CENTER or doctor/physician if you feel unwell.  
In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

**Storage:**

Store in a well-ventilated place. Keep cool.  
Keep container tightly closed.  
Store locked up.

**Disposal:**

Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

**Supplemental Information:**

May bond tissue rapidly. Contact through clothing may cause thermal burns. Avoid eye and skin contact. If eyelids are bonded, do not force open. In case of skin bonding, quickly soak in warm water and avoid excessive force to free bonded area.

**SECTION 3: Composition/information on ingredients**

Ingredient	C.A.S. No.	% by Wt
ETHYL CYANOACRYLATE	7085-85-0	60 - 100
POLY(METHYL METHACRYLATE)	9011-14-7	10 - 30
Non-Hazardous Ingredients	Trade Secret*	5 - 10

\*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.



## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Inhalation:**

Remove person to fresh air. If you feel unwell, get medical attention.

**Skin Contact:**

FOR SKIN BONDS: Quickly soak in warm water and avoid use of excessive force to free bonded area. If unable to free bonded area, or if lips or mouth are bonded, get medical attention. If irritation persists, get medical attention.

**Eye Contact:**

Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention. DO NOT force eyelids open.

**If Swallowed:**

Rinse mouth. If you feel unwell, get medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

See Section 11.1. Information on toxicological effects.

### 4.3. Indication of any immediate medical attention and special treatment required

Not applicable

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

### 5.2. Special hazards arising from the substance or mixture

Closed containers exposed to heat from fire may build pressure and explode.

### Hazardous Decomposition or By-Products

Substance

Carbon monoxide  
Carbon dioxide

Condition

During Combustion  
During Combustion

### 5.3. Special protective actions for fire-fighters

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

### 6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

**6.3. Methods and material for containment and cleaning up**

Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible using non-sparking tools. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and SDS. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Keep out of reach of children. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.)

**7.2. Conditions for safe storage including any incompatibilities**

Store in a well-ventilated place. Keep cool. Keep container tightly closed to prevent contamination with water or air. If contamination is suspected, do not reseal container. Store away from acids. Store away from oxidizing agents. Store away from amines.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Occupational exposure limits**

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

Ingredient	C.A.S. No.	Agency	Limit type	Additional Comments
ETHYL CYANOACRYLATE	7085-85-0	ACGIH	TWA:0.2 ppm;STEL:1 ppm	Dermal/Respiratory Sensitizer
Non-Hazardous Ingredients	Trade Secret	OSHA	TWA concentration:0.8 mg/m3;TWA:20 millions of particles/cu. ft.	

ACGIH : American Conference of Governmental Industrial Hygienists  
 AIHA : American Industrial Hygiene Association  
 CMRG : Chemical Manufacturer's Recommended Guidelines  
 OSHA : United States Department of Labor - Occupational Safety and Health Administration  
 TWA: Time-Weighted-Average  
 STEL: Short Term Exposure Limit  
 CEIL: Ceiling

**8.2. Exposure controls**

**8.2.1. Engineering controls**

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment.

**8.2.2. Personal protective equipment (PPE)**

**Eye/face protection**

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:

Indirect Vented Goggles

#### Skin/hand protection

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Do not wear cotton gloves. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity.

Gloves made from the following material(s) are recommended: Polymer laminate

#### Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapors and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>General Physical Form:</b>	Liquid
<b>Specific Physical Form:</b>	Gel
<b>Odor, Color, Grade:</b>	Transparent water white to straw colored with sharp, irritating odor.
<b>Odor threshold</b>	<i>No Data Available</i>
<b>pH</b>	<i>Not Applicable</i>
<b>Melting point</b>	<i>Not Applicable</i>
<b>Boiling Point</b>	>=300 °F
<b>Flash Point</b>	176 - 200 °F [ <i>Test Method:Closed Cup</i> ]
<b>Evaporation rate</b>	Negligible [ <i>Ref Std:BUOAC=1</i> ]
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Flammable Limits(LEL)</b>	<i>No Data Available</i>
<b>Flammable Limits(UEL)</b>	<i>No Data Available</i>
<b>Vapor Pressure</b>	Approximately 1 mmHg [ <i>@ 20 °C</i> ]
<b>Vapor Density</b>	3 [ <i>Ref Std:AIR=1</i> ]
<b>Density</b>	1.05 g/ml
<b>Specific Gravity</b>	1.05 [ <i>Ref Std:WATER=1</i> ]
<b>Solubility in Water</b>	Negligible
<b>Solubility- non-water</b>	<i>No Data Available</i>
<b>Partition coefficient: n-octanol/ water</b>	<i>No Data Available</i>
<b>Autoignition temperature</b>	<i>No Data Available</i>
<b>Decomposition temperature</b>	<i>No Data Available</i>
<b>Viscosity</b>	80 - 120 centistoke
<b>Molecular weight</b>	<i>No Data Available</i>
<b>Percent volatile</b>	90 - 95 %
<b>VOC Less H2O &amp; Exempt Solvents</b>	<i>No Data Available</i>

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section.

**10.2. Chemical stability**

Stable.

**10.3. Possibility of hazardous reactions**

Hazardous polymerization will not occur.

**10.4. Conditions to avoid**

Sparks and/or flames

**10.5. Incompatible materials**

Water  
Alcohols  
Amines  
Alkali and alkaline earth metals

**10.6. Hazardous decomposition products**

<u>Substance</u>	<u>Condition</u>
None known.	

Refer to section 5.2 for hazardous decomposition products during combustion.

**SECTION 11: Toxicological information**

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

**11.1. Information on Toxicological effects**

**Signs and Symptoms of Exposure**

Based on test data and/or information on the components, this material may produce the following health effects:

**Inhalation:**

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

**Skin Contact:**

Bonds skin rapidly.

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness. Contact through clothing may cause thermal burns.

**Eye Contact:**

Bonds eyelids rapidly.

Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

**Ingestion:**

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

**Toxicological Data**

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

**Acute Toxicity**

Name	Route	Species	Value
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
ETHYL CYANOACRYLATE	Dermal	Rabbit	LD50 > 2,000 mg/kg
ETHYL CYANOACRYLATE	Ingestion	Rat	LD50 > 5,000 mg/kg
POLY(METHYL METHACRYLATE)	Dermal		LD50 estimated to be > 5,000 mg/kg
POLY(METHYL METHACRYLATE)	Ingestion	Rat	LD50 > 5,000 mg/kg
Non-Hazardous Ingredients	Dermal	Rabbit	LD50 > 5,000 mg/kg
Non-Hazardous Ingredients	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 0.691 mg/l
Non-Hazardous Ingredients	Ingestion	Rat	LD50 > 5,110 mg/kg

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

Name	Species	Value
ETHYL CYANOACRYLATE	Rabbit	Mild irritant
POLY(METHYL METHACRYLATE)	Rabbit	No significant irritation
Non-Hazardous Ingredients	Rabbit	No significant irritation

**Serious Eye Damage/Irritation**

Name	Species	Value
ETHYL CYANOACRYLATE	Rabbit	Severe irritant
POLY(METHYL METHACRYLATE)	Rabbit	Mild irritant
Non-Hazardous Ingredients	Rabbit	No significant irritation

**Skin Sensitization**

Name	Species	Value
ETHYL CYANOACRYLATE	Human	Not classified
Non-Hazardous Ingredients	Human and animal	Not classified

**Respiratory Sensitization**

Name	Species	Value
ETHYL CYANOACRYLATE	Human	Not classified

**Germ Cell Mutagenicity**

Name	Route	Value
ETHYL CYANOACRYLATE	In Vitro	Not mutagenic
Non-Hazardous Ingredients	In Vitro	Not mutagenic

**Carcinogenicity**

Name	Route	Species	Value
Non-Hazardous Ingredients	Not Specified	Mouse	Some positive data exist, but the data are not sufficient for classification

**Reproductive Toxicity**

**Reproductive and/or Developmental Effects**

Name	Route	Value	Species	Test Result	Exposure Duration
Non-Hazardous Ingredients	Ingestion	Not classified for female reproduction	Rat	NOAEL 509 mg/kg/day	1 generation
Non-Hazardous Ingredients	Ingestion	Not classified for male reproduction	Rat	NOAEL 497 mg/kg/day	1 generation
Non-Hazardous Ingredients	Ingestion	Not classified for development	Rat	NOAEL 1,350 mg/kg/day	during organogenesis

**Target Organ(s)**

**Specific Target Organ Toxicity - single exposure**

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
ETHYL CYANOACRYLATE	Inhalation	respiratory irritation	May cause respiratory irritation	Human	NOAEL Not available	occupational exposure

**Specific Target Organ Toxicity - repeated exposure**

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
Non-Hazardous Ingredients	Inhalation	respiratory system   silicosis	Not classified	Human	NOAEL Not available	occupational exposure

**Aspiration Hazard**

For the component/components, either no data are currently available or the data are not sufficient for classification.

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

**SECTION 12: Ecological information**

**Ecotoxicological information**

Please contact the address or phone number listed on the first page of the SDS for additional ecotoxicological information on this material and/or its components.

**Chemical fate information**

Please contact the address or phone number listed on the first page of the SDS for additional chemical fate information on this material and/or its components.

**SECTION 13: Disposal considerations**

**13.1. Disposal methods**

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

**EPA Hazardous Waste Number (RCRA):** Not regulated

## SECTION 14: Transport Information

For Transport Information, please visit <http://3M.com/Transportinfo> or call 1-800-364-3577 or 651-737-6501.

## SECTION 15: Regulatory information

### 15.1. US Federal Regulations

Contact 3M for more information.

### EPCRA 311/312 Hazard Classifications:

#### Physical Hazards

Flammable (gases, aerosols, liquids, or solids)

#### Health Hazards

Serious eye damage or eye irritation

Specific target organ toxicity (single or repeated exposure)

### 15.2. State Regulations

Contact 3M for more information.

### 15.3. Chemical Inventories

The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

Contact 3M for more information.

### 15.4. International Regulations

Contact 3M for more information.

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

## SECTION 16: Other information

### NFPA Hazard Classification

Health: 2 Flammability: 2 Instability: 1 Special Hazards: None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

### HMIS Hazard Classification

Health: 2 Flammability: 2 Physical Hazard: 1 Personal Protection: X - See PPE section.

Hazardous Material Identification System (HMIS® IV) hazard ratings are designed to inform employees of chemical hazards in the workplace. These ratings are based on the inherent properties of the material under expected conditions of normal use and are not intended for use in emergency situations. HMIS® IV ratings are to be used with a fully implemented HMIS® IV program. HMIS® is a registered mark of the American Coatings Association (ACA).

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**Issue Date:** 05/22/18

**Supersedes Date:** 01/30/18

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# Safety Data Sheet

## 1 - Chemical Product and Company Identification

<b>Manufacturer:</b> WD-40 Company <b>Address:</b> 9715 Business Park Ave San Diego, CA , USA <b>Post code:</b> 92131 <b>Telephone:</b> +1-800-448-9340 +1-858-251-5600  <b>24 Hour Emergency Phone Number:</b> 1-888-324-7596 (PROSAR) <b>Chemical Spills:</b> 1-800-424-9300 (Chemtrec) 1-703-527-3887 (International Calls)	<b>Chemical Name:</b> Organic Mixture  <b>Trade Name:</b> WD-40 Aerosol  <b>Product Use:</b> Lubricant, Penetrant, Drives Out Moisture, Removes and Protects Surfaces From Corrosion  <b>SDS Date Of Preparation:</b> 12/28/17
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## 2 – Hazards Identification

### GHS Classification:

Flammable Aerosol Category 1

Aspiration Toxicity Category 1

Skin Irritation Category 3

Specific Target Organ Toxicity Single Exposure Category 3 (nervous system effects)



### DANGER!

H222 Extremely flammable aerosol.

H229 Pressurized container: may burst if heated.

H304 May be fatal if swallowed and enters airways.

H316 Causes mild skin irritation.

H336 May cause drowsiness or dizziness.

### Prevention

P210 Keep away from heat, sparks, open flames, and hot surfaces. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P261 Avoid breathing mist or vapors.

P271 Use only outdoors or in a well-ventilated area.

### Response

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P331 Do NOT induce vomiting.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER or doctor if you feel unwell.

P332+P313 If skin irritation occurs: Get medical attention.

### Storage

P405 Store locked up.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

### Disposal

P501 Dispose of contents and container in accordance with local and national regulations.

### 3 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent	GHS Classification
Aliphatic Hydrocarbon	64742-47-8	50-70%	Flammable Liquid Category 3 Aspiration Toxicity Category 1 Skin Irritation Category 3 Specific Target Organ Toxicity Single Exposure Category 3 (nervous system effects)
Petroleum Base Oil	64742-56-9 64742-65-0 64742-53-6 64742-54-7 64742-71-8	<25%	Not Hazardous
Non-Hazardous Ingredients	Mixture	<10%	Not Hazardous
Carbon Dioxide	124-38-9	2-3%	Gas Under Pressure: Compressed Gas

### 4 – First Aid Measures

**Ingestion (Swallowed):** Aspiration Hazard. DO NOT induce vomiting. Call physician, poison control center or the WD-40 Safety Hotline at 1-888-324-7596 immediately.

**Eye Contact:** Flush thoroughly with water. Remove contact lenses if present after the first 5 minutes and continue flushing for several more minutes. Get medical attention if irritation persists.

**Skin Contact:** Wash with soap and water. If irritation develops and persists, get medical attention.

**Inhalation (Breathing):** If irritation is experienced, move to fresh air. Get medical attention if irritation or other symptoms develop and persist.

**Most Important Symptoms (acute and delayed):** Harmful or fatal if swallowed. If swallowed, may be aspirated and cause lung damage. Prolonged skin contact may cause drying of the skin. Inhalation of mists or vapors may cause nasal and respiratory tract irritation and central nervous system effects such as headache, dizziness and nausea.

**Indication of Immediate Medical Attention or Special Treatment:** Immediate medical attention is required for ingestion.

### 5 – Fire Fighting Measures

**Extinguishing Media:** Use water fog, dry chemical, carbon dioxide or foam. Do not use water jet or flooding amounts of water. Burning product will float on the surface and spread fire.

**Special Fire Fighting Procedures:** Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire-exposed containers with water. Use shielding to protect against bursting containers.

**Unusual Fire and Explosion Hazards:** Contents under pressure. Extremely flammable aerosol. Keep away from ignition sources and open flames. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. Vapors can cause a flash fire. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. A vapor and air mixture can create an explosion hazard in confined spaces.

### 6 – Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:** Eliminate all sources of ignition and ventilate area. Wear appropriate protective clothing (see Section 8).

**Environmental Precautions:** Report spills to authorities as required.

**Methods and Materials for Containment/Cleanup:** Leaking cans should be placed in a plastic bag or open pail until the pressure has dissipated. Contain and collect liquid with an inert absorbent and place in a container for disposal. Clean spill area thoroughly. Report spills to authorities as required.

### 7 – Handling and Storage

**Precautions for Safe Handling:** Avoid contact with eyes. Avoid prolonged contact with skin. Avoid breathing vapors or aerosols. Use only with adequate ventilation. Keep away from heat, sparks, pilot lights, hot surfaces

and open flames. Unplug electrical tools, motors and appliances before spraying or bringing the can near any source of electricity. Electricity can burn a hole in the can and cause contents to burst into flames. To avoid serious burn injury, do not let the can touch battery terminals, electrical connections on motors or appliances or any other source of electricity. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep out of the reach of children. Do not puncture, crush or incinerate containers, even when empty.

**Conditions for Safe Storage, including any incompatibilities:** Store in a cool, well-ventilated area, away from incompatible materials. Do not store in direct sunlight or above 120°F. U.F.C (NFPA 30B) Level 3 Aerosol. Store away from oxidizers.

## 8 – Exposure Controls/Personal Protection

Chemical	Occupational Exposure Limits
Aliphatic Hydrocarbon	1200 mg/m <sup>3</sup> TWA (manufacturer recommended)
Petroleum Base Oil	5 mg/m <sup>3</sup> TWA (inhalable) ACGIH TLV (as mineral oil) 5 mg/m <sup>3</sup> TWA OSHA PEL (as oil mist, mineral)
Non-Hazardous Ingredients	None Established
Carbon Dioxide	5000 ppm TWA, 30,000 ppm STEL ACGIH TLV 5000 ppm TWA OSHA PEL

### The Following Controls are Recommended for Normal Consumer Use of this Product

**Engineering Controls:** Use in a well-ventilated area.

**Personal Protection:**

**Eye Protection:** Avoid eye contact. Always spray away from your face.

**Skin Protection:** Avoid prolonged skin contact. Chemical resistant gloves recommended for operations where skin contact is likely.

**Respiratory Protection:** None needed for normal use with adequate ventilation.

### For Bulk Processing or Workplace Use the Following Controls are Recommended

**Engineering Controls:** Use adequate general and local exhaust ventilation to maintain exposure levels below that occupational exposure limits.

**Personal Protection:**

**Eye Protection:** Safety goggles recommended where eye contact is possible.

**Skin Protection:** Wear chemical resistant gloves.

**Respiratory Protection:** None required if ventilation is adequate. If the occupational exposure limits are exceeded, wear a NIOSH approved respirator. Respirator selection and use should be based on contaminant type, form and concentration. Follow OSHA 1910.134, ANSI Z88.2 and good Industrial Hygiene practice.

**Work/Hygiene Practices:** Wash with soap and water after handling.

## 9 – Physical and Chemical Properties

Appearance:	Light amber liquid	Flammable Limits:	LEL: 0.7% UEL: 5.6% (Aliphatic Hydrocarbon)
Odor:	Mild petroleum odor	Vapor Pressure:	Not established
Odor Threshold:	Not established	Vapor Density:	Greater than 1 (air=1)
pH:	Not established	Relative Density:	Not established
Melting/Freezing Point:	Not established	Solubilities:	Insoluble in water
Boiling Point/Range:	320-388°F (160-198°C) (Aliphatic Hydrocarbon)	Partition Coefficient; n- octanol/water:	Not established
Flash Point:	109°F (43°C) (Aliphatic Hydrocarbon)	Autoignition Temperature:	Not established
Evaporation Rate:	Not established	Decomposition Temperature:	Not established
Flammability (solid, gas):	Flammable Aerosol	Viscosity:	Not established
VOC:	533 grams/liter (65%)	Pour Point:	Not established

## 10 – Stability and Reactivity

**Reactivity:** Non-reactive

**Chemical Stability:** Stable under normal storage and handling conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to Avoid:** Avoid heat, sparks, flames and other sources of ignition. Do not puncture or incinerate containers.

**Incompatible Materials:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon monoxide and carbon dioxide, smoke fumes, unburned hydrocarbons.

## 11 – Toxicological Information

### Symptoms of Overexposure:

**Inhalation:** Mist or vapors can irritate the throat and lungs. High concentrations may cause nasal and respiratory irritation and central nervous system effects such as headache, dizziness and nausea. Intentional abuse may be harmful or fatal.

**Skin Contact:** Prolonged and/or repeated contact may produce mild irritation and defatting with possible dermatitis.

**Eye Contact:** Contact may be irritating to eyes. May cause redness, stinging, swelling and tearing.

**Ingestion:** This product has low oral toxicity. If swallowed, this material may cause irritation of the mouth, throat and esophagus. Swallowing may cause gastrointestinal irritation, nausea, vomiting, diarrhea, dizziness, drowsiness and other central nervous system effects. This product is an aspiration hazard. If swallowed, can enter the lungs and may cause chemical pneumonitis, severe lung damage and death.

**Chronic Effects:** None expected.

**Medical Conditions Aggravated by Exposure:** Preexisting eye, skin and respiratory conditions may be aggravated by exposure.

### Suspected Cancer Agent:

Yes    No X

### Numerical Measures of Toxicity:

Acute Toxicity Estimates: Oral > 5,000 mg/kg; Dermal >2,000 mg/kg based on an assessment of the ingredients. This product is not classified as toxic by established criteria. It is an aspiration hazard.

## 12 – Ecological Information

**Ecotoxicity:** No specific aquatic toxicity data is currently available; however components of this product are not expected to be harmful to aquatic organisms

**Persistence and Degradability:** Components are expected to be readily biodegradable.

**Bioaccumulative Potential:** Bioaccumulation is not expected based on an assessment of the ingredients.

**Mobility in Soil:** No data available.

**Other Adverse Effects:** None Known

## 13 - Disposal Considerations

Aerosol containers should not be punctured, compacted in home trash compactors or incinerated. Empty containers may be disposed of through normal waste management options. Dispose of all waste product, absorbents, and other materials in accordance with applicable Federal, state and local regulations.

## 14 – Transportation Information

DOT Surface Shipping Description: UN1950, Aerosols, 2.1 Ltd. Qty

(Note: Shipping Papers are not required for Limited Quantities unless transported by air or vessel – each package must be marked with the Limited Quantity Mark)

IMDG Shipping Description: UN1950, Aerosols, 2.1, LTD QTY

ICAO Shipping Description: UN1950, Aerosols, flammable, 2.1

NOTE: WD-40 Company does not test aerosol cans to assure that they meet the pressure and other requirements for transport by air. We do not recommend that our aerosol products be transported by air.

## 15 – Regulatory Information

### U.S. Federal Regulations:

**CERCLA 103 Reportable Quantity:** This product is not subject to CERCLA reporting requirements, however, oil spills are reportable to the National Response Center under the Clean Water Act and many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

### SARA TITLE III:

**Hazard Category For Section 311/312:** See OSHA Hazard Classification in Section 2.

**Section 313 Toxic Chemicals:** This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

**Section 302 Extremely Hazardous Substances (TPQ):** None

**EPA Toxic Substances Control Act (TSCA) Status:** All of the components of this product are listed on the TSCA inventory.

### International Information:

**China Regulations on the Control over Safety of Dangerous Chemicals:** All ingredients in this product are listed on the IECSC (Inventory of Existing Chemical Substances in China 2010).

**Korea:** All of the components of this product are listed on the Korean chemical inventory.

**Philippines:** This product contains an ingredient that is not listed on the PICCS. Only limited volumes can be imported. Contact WD40 for more information.

**Japan:** All of the components of this product are listed on the Japanese chemical inventory.

**Taiwan:** All the components of this product are listed on the Taiwan Inventory.

## 16 – Other Information

### HMIS Hazard Rating:

**Health – 2 (moderate hazard), Fire Hazard – 4 (severe hazard), Physical Hazard – 0 (minimal hazard)**

Revision Date: December 2017

Supersedes: November 2015

Prepared by: Industrial Health & Safety Consultants, Inc. Shelton, CT, USA

2021300/No.

## ZEP FOAMING GLASS CLEANER

Version 3.1

Revision Date 12/14/2016

Print Date 12/17/2016

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name : ZEP FOAMING GLASS CLEANER

Material number : ZUFGC19

#### Manufacturer or supplier's details

Company : Zep Inc.

Address : 1310 Seaboard Industrial Blvd., NW  
Atlanta, GA 30318

Telephone : 404-352-1680

#### Emergency telephone numbers

<b>For SDS Information</b>	: Compliance Services 1-877-428-9937
<b>For a Medical Emergency</b>	: 877-541-2016 Toll Free - All Calls Recorded
<b>For a Transportation Emergency</b>	: CHEMTREC: 800-424-9300 - All Calls Recorded. In the District of Columbia 202-483-7616

#### Recommended use of the chemical and restrictions on use

Recommended use : Glass Cleaner

Note: This product is labeled as a consumer product in accordance with the United States Consumer Product Safety Commission regulations. The warnings presented below in this Safety Data Sheet (SDS) comply with the 2012 OSHA Hazard Communication Standard (GHS - Globally Harmonized System of Classification and Labeling). The requirements for the labeling and warnings of consumer products may differ from those required for GHS based hazard communication.

### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

Appearance	Aerosol containing a liquefied gas
Colour	colourless
Odour	pleasant

#### GHS Classification

Gases under pressure : Liquefied gas

#### GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H280 Contains gas under pressure; may explode if heated.

Precautionary statements : **Storage:**  
P410 + P403 Protect from sunlight. Store in a well-ventilated place.

## ZEP FOAMING GLASS CLEANER

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**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

**Hazardous components**

Chemical name	CAS-No.	Concentration [%]
ethanol	64-17-5	>= 1 - < 5
butane	106-97-8	>= 1 - < 5
propan-2-ol	67-63-0	>= 1 - < 5

The exact percentages of disclosed substances are withheld as trade secrets.

**SECTION 4. FIRST AID MEASURES**

- General advice : Do not leave the victim unattended.  
Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.
- If inhaled : If unconscious place in recovery position and seek medical advice.  
Consult a physician after significant exposure.
- In case of skin contact : If skin irritation persists, call a physician.  
Wash off immediately with plenty of water for at least 15 minutes.  
If on clothes, remove clothes.
- In case of eye contact : Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.  
Rinse immediately with plenty of water for at least 15 minutes.
- If swallowed : Keep respiratory tract clear.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
DO NOT induce vomiting unless directed to do so by a physician or poison control center.  
Take victim immediately to hospital.
- Most important symptoms and effects, both acute and delayed : Effects may be delayed, symptoms may include minor eye or skin irritation.  
Overexposure may cause mild eye or skin irritation.
- Notes to physician : Treat symptomatically. Symptoms may be delayed.

**SECTION 5. FIREFIGHTING MEASURES**

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Suitable extinguishing media	: Water spray jet Alcohol-resistant foam Carbon dioxide (CO <sub>2</sub> ) Dry chemical
Unsuitable extinguishing media	: High volume water jet
Specific hazards during firefighting	: Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	: Carbon dioxide (CO <sub>2</sub> ) Carbon monoxide Smoke
Specific extinguishing methods	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Further information	: Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.
Special protective equipment for firefighters	: Wear self-contained breathing apparatus for firefighting if necessary.

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Environmental precautions	: Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up or vacuum up spillage and collect in suitable container for disposal.

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### SECTION 7. HANDLING AND STORAGE

Advice on safe handling	: Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8.
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Smoking, eating and drinking should be prohibited in the application area.  
 Do not breathe vapours or spray mist.  
 Take precautionary measures against static discharges.  
 Provide sufficient air exchange and/or exhaust in work rooms.  
 Dispose of rinse water in accordance with local and national regulations.  
 Always replace cap after use.

Conditions for safe storage : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.  
 Keep container tightly closed in a dry and well-ventilated place.  
 Observe label precautions.  
 Electrical installations / working materials must comply with the technological safety standards.  
 Keep in a dry, cool and well-ventilated place.

Materials to avoid : Oxidizing agents

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
ethanol	64-17-5	TWA	1,000 ppm	ACGIH
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	OSHA Z-1
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	OSHA P0
		STEL	1,000 ppm	ACGIH
		PEL	1,000 ppm 1,900 mg/m <sup>3</sup>	CAL PEL
butane	106-97-8	TWA	800 ppm 1,900 mg/m <sup>3</sup>	NIOSH REL
		TWA	800 ppm 1,900 mg/m <sup>3</sup>	OSHA P0
		PEL	800 ppm 1,900 mg/m <sup>3</sup>	CAL PEL
propan-2-ol	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		TWA	400 ppm 980 mg/m <sup>3</sup>	NIOSH REL
		ST	500 ppm 1,225 mg/m <sup>3</sup>	NIOSH REL
		TWA	400 ppm 980 mg/m <sup>3</sup>	OSHA Z-1
		TWA	400 ppm 980 mg/m <sup>3</sup>	OSHA P0

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		STEL	500 ppm 1,225 mg/m3	OSHA P0
		PEL	400 ppm 980 mg/m3	CAL PEL
		STEL	500 ppm 1,225 mg/m3	CAL PEL

**Biological occupational exposure limits**

Component	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
PROPAN-2-OL	67-63-0	Acetone	Urine	End of shift at end of workweek	40 mg/l	ACGIH BEI

**Engineering measures** : effective ventilation in all processing areas

**Personal protective equipment**

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Hand protection  
Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water  
Safety glasses

Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : Wash hands before breaks and at the end of workday.  
When using do not eat, drink or smoke.  
When using do not smoke.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : Aerosol containing a liquefied gas

Colour : colourless

Odour : pleasant

Odour Threshold : No data available

pH : 10 - 11

Melting point/freezing point : No data available

Boiling point : No data available

Flash point :  
No data available

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Evaporation rate	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Density	: 0.986 g/cm <sup>3</sup>
Solubility(ies)	
Water solubility	: soluble in cold water, soluble in hot water
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: not determined
Thermal decomposition	: No data available
Viscosity	
Viscosity, kinematic	: No data available

---

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	: Stable
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No decomposition if stored and applied as directed.
Conditions to avoid	: Heat, flames and sparks. Extremes of temperature and direct sunlight.
Incompatible materials	: Oxidizing agents
Hazardous decomposition products	: Carbon oxides

---

**SECTION 11. TOXICOLOGICAL INFORMATION****Potential Health Effects**

Aggravated Medical Condition	: None known.
Symptoms of Overexposure	: Effects may be delayed, symptoms may include minor eye or skin irritation.

**Carcinogenicity:****IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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**OSHA**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Acute toxicity****Product:**

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method

**Components:****ethanol:**

Acute oral toxicity : LD50 Oral Rat: 7,060 mg/kg

Acute inhalation toxicity : LC50 Rat: 124.7 mg/l  
Exposure time: 4 h

**butane:**

Acute inhalation toxicity : LC50 Mouse: 1,237 mg/l  
Exposure time: 2 h

LC50 Rat: 1,355 mg/l

**propan-2-ol:**

Acute oral toxicity : LD50 Oral Rat: 4,396 mg/kg  
Method: Calculation method

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitisation**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**ethanol:****butane:****propan-2-ol:****STOT - single exposure**

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No data available

**STOT - repeated exposure**

No data available

**Aspiration toxicity**

No data available

**Further information****Product:**

Remarks: No data available

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential****Product:**

Partition coefficient: n-octanol/water : Remarks: No data available

**Components:****butane :**

Partition coefficient: n-octanol/water : Pow: 2.89

**Mobility in soil**

No data available

**Other adverse effects**

No data available

**Product:**

Regulation 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : No data available

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### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

- Waste from residues : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Dispose of in accordance with local regulations.
- Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

### SECTION 14. TRANSPORT INFORMATION

Transportation Regulation: 49 CFR (USA): UN1950, AEROSOLS, 2.2, - Limited quantity
---

Transportation Regulation: IMDG (Vessel): UN1950, AEROSOLS, 2.2, - Limited quantity
--

Transportation Regulation: IATA (Cargo Air): UN1950, AEROSOLS, 2.2, - Limited quantity
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Transportation Regulation: IATA (Passenger Air): UN1950, AEROSOLS, 2.2, - Limited quantity
---

Transportation Regulation: TDG (Canada): UN1950, AEROSOLS, 2.2, - Limited quantity
---

The product as delivered to the customer conforms to packaging requirements for shipment by road under US Department of Transportation (DOT) regulations. Additional transportation classifications noted above are for reference only, and not a certification or warranty of the suitability of the packaging for shipment under these alternative transport regulations.

### SECTION 15. REGULATORY INFORMATION

- TSCA list** : No substances are subject to a Significant New Use Rule.  
No substances are subject to TSCA 12(b) export notification requirements.

#### EPCRA - Emergency Planning and Community Right-to-Know Act

##### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

##### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

- SARA 311/312 Hazards** : Sudden Release of Pressure Hazard

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**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**California Prop 65** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**The components of this product are reported in the following inventories:**

**TSCA** On TSCA Inventory  
**DSL** All components of this product are on the Canadian DSL

For information on the country notification status for other regions please contact the manufacturer's regulatory group.

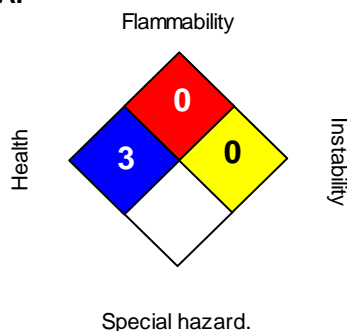
**Inventory Acronym and Validity Area Legend:**

TSCA (USA), DSL (Canada), NDSL (Canada)

**SECTION 16. OTHER INFORMATION**

**Further information**

**NFPA:**



**HMIS III:**

<b>HEALTH</b>	<b>3</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>2</b>

0 = not significant, 1 = Slight,  
 2 = Moderate, 3 = High  
 4 = Extreme, \* = Chronic

**OSHA - GHS Label Information:**

Hazard pictograms :

Signal word : **Warning:**  
 Hazard statements : Contains gas under pressure; may explode if heated.  
 Precautionary statements :

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**Storage:** Protect from sunlight. Store in a well-ventilated place.**Disposal:** Dispose of contents/ container to an approved waste disposal plant.

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We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. Users should make their own investigations to determine the suitability and applicability of the information for their particular purposes. This SDS has been prepared by the Compliance Services organization supporting this manufacturer, supplier or distributor.

Zep Inc. markets products under well recognized and established brand names such as Zep®, Zep Commercial®, Zep Professional®, Enforcer®, National Chemical™, Selig™, Misty®, Next Dimension™, Petro®, i-Chem®, TimeMist®, TimeWick™, MicrobeMax®, Country Vet®, Konk®, Original Bike Spirits®, Blue Coral®, Black Magic®, Rain-X®, Niagara National™, FC Forward Chemicals®, Rexodan®, Mykal™, and a number of private labeled brands.



# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA  
GHS

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** Zoom Spout Oiler
- **Article number:** 14114
- **CAS Number:**  
64741-88-4
- **EC number:**  
265-090-8
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Lubricating oil
- **1.3 Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**  
Highside Chemicals, Inc.  
11114 Reichold Road  
Gulfport, MS 39503 USA  
Phone: (228) 896-9220
- **1.4 Emergency telephone number:**  
ChemTel Inc.  
(800)255-3924, +1 (813)248-0585

## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The product is not classified as hazardous according to OSHA GHS regulations within the United States.  
The substance is not classified as hazardous according to the CLP regulation.
- **Additional information:**  
There are no other hazards not otherwise classified that have been identified.  
0 % of the mixture consists of component(s) of unknown toxicity.

---

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
This product does not have a classification according to the CLP regulation.  
The product is not classified as hazardous according to OSHA GHS regulations within the United States.
- **Hazard pictograms** Not Regulated
- **Signal word** Not Regulated
- **Hazard-determining components of labelling:** None.
- **Hazard statements** Not Regulated
- **Precautionary statements** Not Regulated
- **NFPA ratings (scale 0 - 4)**



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- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

- **3.1 Substances**

- **CAS No. Description**

64741-88-4 Distillates (petroleum), solvent-refined heavy paraffinic

- **Identification number(s)**

- **EC number:** 265-090-8

- **Index number:** 649-454-00-7

- **Additional information:**

Note L: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions - Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This product meets these requirements.

## SECTION 4: First aid measures

- **4.1 Description of first aid measures**

- **General information:** Immediately remove any clothing soiled by the product.

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

- **After skin contact:**

Wash with soap and water.

If skin irritation is experienced, consult a doctor.

- **After eye contact:**

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

- **4.2 Most important symptoms and effects, both acute and delayed**

Slight irritant effect on eyes.

Slight irritant effect on skin and mucous membranes.

Gastric or intestinal disorders when ingested.

Nausea in case of ingestion.

- **Hazards** Repeated exposure may cause skin dryness or cracking.

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- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

## SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
Carbon dioxide  
Foam  
Fire-extinguishing powder  
Gaseous extinguishing agents
- **For safety reasons unsuitable extinguishing agents:** Water
- **5.2 Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.
- **Additional information** No further relevant information available.

## SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation  
Wear protective equipment. Keep unprotected persons away.  
For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.  
Particular danger of slipping on leaked/spilled product.
- **6.2 Environmental precautions:**  
Do not allow to enter sewers/ surface or ground water.  
Inform respective authorities in case of seepage into water course or sewage system.  
Prevent from spreading (e.g. by damming-in or oil barriers).
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Remove from the water surface (e.g. skim or suck off).  
Dispose of the material collected according to regulations.  
Send for recovery or disposal in suitable receptacles.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Prevent formation of aerosols.  
Avoid splashes or spray in enclosed areas.

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- Use only in well ventilated areas.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Avoid storage near extreme heat, ignition sources or open flame.
- **Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Store away from oxidising agents.
- **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed receptacles.  
Keep container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see section 7.
- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **DNELs** No further relevant information available.
- **PNECs** No further relevant information available.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Do not inhale gases / fumes / aerosols.  
Avoid contact with the eyes.  
Avoid close or long term contact with the skin.
- **Respiratory protection:**  
Not required under normal conditions of use.  
Use suitable respiratory protective device when aerosol or mist is formed.  
For spills, respiratory protection may be advisable.
- **Protection of hands:**



Protective gloves

Gloves are advised for repeated or prolonged contact.  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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· **Eye protection:**



Safety glasses

- **Body protection:** Oil resistant protective clothing
- **Limitation and supervision of exposure into the environment** No special requirements.
- **Risk management measures** No special requirements.

## SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Liquid

Colour: Clear

· **Odour:** Petroleum-like

· **Odour threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

Melting point/Melting range: Not Determined.

Boiling point/Boiling range: Undetermined.

· **Flash point:** > 150 °C (> 302 °F)

· **Flammability (solid, gaseous):** Not applicable.

· **Auto/Self-ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

· **Self-igniting:** Not determined.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

Lower: Not determined.

Upper: Not determined.

· **Oxidising properties** Not determined.

· **Vapour pressure at 20 °C (68 °F):** 1 hPa (1 mm Hg)

· **Density at 15,6 °C (60 °F):** 0.86 - 0.87 g/cm<sup>3</sup> (7,177 - 7,26 lbs/gal)

· **Relative density** Not determined.

· **Vapour density at 20 °C (68 °F)** > 1 g/cm<sup>3</sup> (> 8,345 lbs/gal) (Air =1)

· **Evaporation rate at 20 °C (68 °F)** < 1 (Butyl Acetate = 1)

· **Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

· **Partition coefficient (n-octanol/water):** 4 - 6 log POW

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- **Viscosity:**
- **Dynamic:** Not determined.
- **Kinematic at 40 °C (104 °F):** 30 - 110 cSt
- **9.2 Other information** No further relevant information available.

## SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability** Stable under normal temperatures and pressures.
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.  
To avoid thermal decomposition do not overheat.
- **10.3 Possibility of hazardous reactions**  
Toxic fumes may be released if heated above the decomposition point.  
Reacts with strong acids and oxidising agents.
- **10.4 Conditions to avoid**  
Keep away from heat and direct sunlight.  
Store away from oxidising agents.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**  
Carbon monoxide and carbon dioxide  
Hydrocarbons

## SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**
- **LD/LC50 values relevant for classification:** None.
- **Primary irritant effect:**
- **Skin corrosion/irritation** Slight irritant effect on skin and mucous membranes.
- **Serious eye damage/irritation** Slight irritant effect on eyes.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Repeated dose toxicity:** Repeated exposure may cause skin dryness or cracking.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.

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- **12.2 Persistence and degradability** The product is partially biodegradable. Significant residuals remain.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:**  
Due to mechanical actions of the product (e.g. agglutinations) damages may occur.  
The product is oxygen-consuming. The declared action may be partly caused by lack of oxygen.
- **Additional ecological information:**
- **General notes:**  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Contact waste processors for recycling information.  
Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.  
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## SECTION 14: Transport information

- |  |                 |
|--|-----------------|
| · <b>14.1 UN-Number</b>  |                 |
| · <b>DOT, ADR, IMDG, IATA</b>  | Not Regulated   |
| · <b>14.2 UN proper shipping name</b>  |                 |
| · <b>DOT, ADR, IMDG, IATA</b>  | Not Regulated   |
| · <b>14.3 Transport hazard class(es)</b>   |                 |
| · <b>DOT, ADR, IMDG, IATA</b>  |                 |
| · <b>Class</b>   | Not Regulated   |
| · <b>14.4 Packing group</b>  |                 |
| · <b>DOT, ADR, IMDG, IATA</b>  | Not Regulated   |
| · <b>14.5 Environmental hazards:</b>   | Not applicable. |
| · <b>14.6 Special precautions for user</b>   | Not applicable. |
| · <b>14.7 Transport in bulk according to Annex II of<br/>Marpol and the IBC Code</b> | Not applicable. |

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· UN "Model Regulation":

Not Regulated

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## SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

· United States (USA)

· SARA

· Section 355 (extremely hazardous substances):

Substance is not listed.

· Section 313 (Specific toxic chemical listings):

Substance is not listed.

· TSCA (Toxic Substances Control Act):

Substance is listed.

· Proposition 65 (California):

· Chemicals known to cause cancer:

Substance is not listed.

· Chemicals known to cause reproductive toxicity for females:

Substance is not listed.

· Chemicals known to cause reproductive toxicity for males:

Substance is not listed.

· Chemicals known to cause developmental toxicity:

Substance is not listed.

· Carcinogenic Categories

· EPA (Environmental Protection Agency)

Substance is not listed.

· IARC (International Agency for Research on Cancer)

Substance is not listed.

· TLV (Threshold Limit Value established by ACGIH)

Substance is not listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

Substance is not listed.

· Canada

· Canadian Domestic Substances List (DSL)

Substance is listed.

· Canadian Ingredient Disclosure list (limit 0.1%)

Substance is not listed.

· Canadian Ingredient Disclosure list (limit 1%)

Substance is not listed.

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- **Directive 2012/18/EU**

<ul style="list-style-type: none"> <li>· <b>Named dangerous substances - ANNEX I</b></li> </ul>
---

Substance is not listed.
--------------------------

- **Other regulations, limitations and prohibitive regulations**

<ul style="list-style-type: none"> <li>· <b>Substances of very high concern (SVHC) according to REACH, Article 57</b></li> </ul>
--

Substance is not listed.
--------------------------

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Sources**

Website, European Chemicals Agency (<http://http://echa.europa.eu/>)

Website, US EPA Substance Registry Services ([http://http://ofmpub.epa.gov/sor\\_internet/registry/substreg/home/overview/home.do](http://http://ofmpub.epa.gov/sor_internet/registry/substreg/home/overview/home.do))

Website, Chemical Abstracts Registry, American Chemical Society (<https://www.cas.org>)

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

SDS Prepared by:

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