

# Safety Data Sheets

APO



RSC, Sierra Vista

11/26/2019



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**Binder: RSC, Sierra Vista - APO**

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# SAFETY DATA SHEET



This Safety Data Sheet (SDS) complies with the requirements of the U.S. Federal Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200, as updated in 2012) and equivalent state Standards. It has also been developed in accordance with the United Nations Globally Harmonized System of Classification of Chemicals (GHS) and the Canadian Workplace Hazardous Materials Information System (WHMIS). Refer to Section 16 of this document for the definition of terms and abbreviations.

## SECTION 1: IDENTIFICATION

### 1.1 PRODUCT IDENTIFIER

- ITEM NUMBER(S): 950110, 950101, 950131
- PRODUCT NAME: **543 WAXIE-Green Glass & Surface Cleaner**
  - 3L: 950110
  - **WAXIE-Green Glass & Surface Cleaner**
  - 1 GL: 950101
  - 1 QT: 950131 (Ready to Use)

### 1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE

- RECOMMENDED USE: Glass and surface cleaning.
- IDENTIFIED USERS: For sale to, use and storage by service persons only.

### 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

- MANUFACTURER/  
SUPPLIER: **WAXIE Sanitary Supply**
- ADDRESS: 9353 Waxie Way; San Diego, CA 92123-1036
- BUSINESS PHONE: 1-800-995-4466
- EMERGENCY PHONE: 1-800-255-3924 (CHEMTEL; 24 hours)

### 1.4 OTHER PERTINENT INFORMATION

- This product is sold and used in relatively small volumes (e.g., 1 gallon containers). This SDS has been developed to address safety concerns affecting small volume handling situations and those involving warehouses and workplaces where large numbers of these items are stored or distributed.
- This product is intended to be used only after dilution. The relevant hazards and safety data are specified for both the Product as SOLD and Product at USE DILUTION, where appropriate.
- Product certified for reduced environmental impact. View specific attributes evaluated: [ul.com/el](http://ul.com/el) (UL 2759)

## SECTION 2: HAZARD IDENTIFICATION

### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

#### OSHA/HCS Status

#### Classification of the Substance or Mixture

#### Product as SOLD

Flammable liquids (Category 4); Acute Toxicity (Oral, Category 4); Serious eye damage/Irritation (Category 2A); Skin Irritation (Category 3); Specific target organ toxicity (Category 3, Central nervous system);

#### Product at USE DILUTION

Eye Damage/Irritation (Category 2B)

### 2.2 LABEL ELEMENTS:

#### ELEMENT

Hazard Pictograms

#### Product as SOLD



Signal Word

WARNING.

#### Product at USE DILUTION

Not applicable.

WARNING.

## SECTION 2: HAZARDS IDENTIFICATION (Continued)

### 2.2 LABEL ELEMENTS (Continued):

ELEMENT	Product as SOLD	Product at USE DILUTION
<b>Hazard Statements</b>	Combustible liquid. Harmful if swallowed. Causes serious eye and mild skin irritation. May cause drowsiness or dizziness. Harmful to aquatic life.	Causes eye irritation.
<b>Precautionary Statements</b>		
<b>Prevention</b>	Keep out of reach of children. Wash hands thoroughly after use. . Avoid breathing mists, vapors, sprays. Use only outdoors or in well-ventilated area. Wear eye protection, face protection, protective clothing, and protective gloves. Avoid release into the environment.	Keep out of reach of children. Wash hands thoroughly after handling.
<b>Response</b>	IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists, see a physician. IF ON SKIN: If skin irritation occurs: Get medical advice. . IN CASE OF FIRE: Use Class B Fire extinguisher.	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists, see a physician.
<b>Storage</b>	Store in well-ventilated place. Keep cool. Store locked-up. Keep container tightly closed.	Not established; follow guidelines in section 7.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/ international regulations.	Not established; follow guidelines in section 13.

### 2.3 OTHER PERTINENT DATA ON CHEMICAL AND PHYSICAL HAZARDS:

- Ingestion of product may cause nausea, vomiting, diarrhea and effects on the central nervous system.

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 SUBSTANCES/MIXTURES

CHEMICAL	CAS NUMBER	GHS HAZARD CLASSIFICATION FOR CHEMICAL	% (w/w)
Ammonium Hydroxide	1336-21-6	Acute toxicity, Oral (Category 4), Skin corrosion (Category 1), Serious eye damage (Category 1), H318 Acute aquatic toxicity (Category 1),	Proprietary <sup>1</sup>
Ethanol, 2-Butoxy	111-76-2	Flammable liquids (Category 4); Acute toxicity, Oral (Category 4); Acute toxicity, Inhalation (Category 4); Acute toxicity, Dermal (Category 4); Skin irritation (Category 2); Eye irritation (Category 2A)	Proprietary
Isopropyl alcohol	67-63-0	Flammable liquids (Category 2); Serious eye damage/Irritation (Category 2A); Specific target organ toxicity - single exposure (Category 3, Central nervous system)	Proprietary
Water and other components less than 1% in concentration within this solution. The remaining components of this product are not classified as hazardous in their existing concentrations			Balance

<sup>1</sup> The exact percentage of composition has been withheld as a trade secret. All relevant physical and health hazards have been declared, in accordance with regulatory requirements.

## SECTION 4: FIRST AID MEASURES

### 4.1 DESCRIPTION OF FIRST AID MEASURES

AREA EXPOSED	Product as SOLD	Product at USE DILUTION
Eye Contact	Flush with copious amounts of water for 15 minutes. "Roll" eyes during flush. Seek medical attention if irritation persists.	Flush with copious amounts of water. "Roll" eyes during flush. Seek medical attention if irritation persists.
Skin Contact	Flush area with warm, running water for several minutes. Seek medical attention if irritation persists.	Flush area with warm, running water for several minutes.
Inhalation	Obtain fresh air.	Obtain fresh air.
Ingestion	If conscious only: Rinse mouth with water. Drink several cups of water. Do not induce vomiting. Contact a Poison Control Center or physician for instructions.	If conscious only: Rinse mouth with water. Drink several cups of water. Do not induce vomiting. Contact a Poison Control Center or physician for instructions.

### 4.2 MOST IMPORTANT ACUTE AND CHRONIC EXPOSURE SYMPTOMS

- ACUTE HEALTH EFFECTS:

AREA EXPOSED	Product as SOLD	Product at USE DILUTION
Eye Contact	Causes serious eye irritation.	May cause eye irritation, depending on the duration of contact, redness and pain may occur.
Skin Contact	Causes mild skin irritation.	Mild skin irritation may occur, depending on duration of contact.
Inhalation	May cause respiratory tract irritation; symptoms may include coughing and sneezing depending on volume of mist/spray inhaled.	May cause mild respiratory tract irritation; symptoms may include coughing and sneezing depending on volume of mist/spray inhaled.
Ingestion	Causes gastrointestinal system irritation; symptoms may include pain, sore throat, nausea and vomiting if large volumes are ingested.	May cause gastrointestinal system irritation; symptoms may include pain, sore throat, nausea and vomiting.

- CHRONIC HEALTH EFFECTS:

Product as SOLD	Product at USE DILUTION
None reported.	None reported.

- TARGET ORGANS:

Product as SOLD	Product at USE DILUTION
Skin, eyes, central nervous system.	Eyes.

### 4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

The following information is for both **Product AS SOLD** and **Product at USE DILUTION**.

- GENERAL INFORMATION: For all exposures:** In case of accident, or if you feel unwell, seek medical advice immediately. Take this document and a copy of the label to the healthcare professional.
- RECOMMENDATIONS TO PHYSICIANS:** Treat symptomatically.
- MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:** None reported.

## SECTION 5: FIREFIGHTING MEASURES

Unless stated, information in this section is for both **Product as SOLD** and **Product at USE DILUTION**.

### 5.1 EXTINGUISHING MEDIA

- RECOMMENDED FIRE EXTINGUISHING MEDIA:** Water Spray, Water Jet, Dry Powder, Foam, Carbon Dioxide, Halon, or any other.
- UNSUITABLE FIRE EXTINGUISHING MEDIA:** None known.

## SECTION 5: FIREFIGHTING MEASURES (Continued)

### 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

#### • NFPA FLAMMABILITY CLASSIFICATION:

Classification

Product as SOLD

Product at USE DILUTION

NFPA Rating



NFPA Classification

Class IIIA Combustible liquid.

Not flammable.

#### • UNUSUAL HAZARDS IN FIRE SITUATIONS:

Decomposition

Product as SOLD

Product at USE DILUTION

Generates carbon dioxide, carbon monoxide, and irritating vapors.

Generates carbon dioxide, carbon monoxide, and irritating vapors.

Explosion Sensitivity to Mechanical Impact

Not applicable.

Not applicable.

Explosion Sensitivity to Static Discharge

Not applicable.

Not applicable.

### 5.3 ADVICE FOR FIREFIGHTERS

- Self-Contained Breathing Apparatus and full protective equipment for fire response should be worn in any situation. Move containers from fire area if it can be done without risk to personnel. Otherwise, use water spray to keep fire-exposed containers cool. Because this is product is a cleaning agent, any equipment that comes in contact with this solution can be rinsed thoroughly with water and then returned to service.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

Unless stated, information in this section is for both **Product as SOLD** and **Product at USE DILUTION**.

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

- **RESPONSE TO INCIDENTAL RELEASES:** Personnel who have received basic chemical safety training can generally handle small-scale releases. Gloves and safety glasses must be worn when cleaning-up spills. Use caution during clean-up; contaminated floors and items may be slippery.
- **RESPONSE TO NON-INCIDENTAL RELEASES:** Generally, releases of this product will be no larger than the loss of one shipment of material. Subsequently, personnel can follow the instructions for incidental releases. As needed, respond to non-incident chemical releases of this product (such as the simultaneous destruction of several pallets of this product) by clearing the impacted area and contacting appropriate emergency personnel. In the event that over 3 gallons of this material has spilled, safety goggles with face-shield and air-purifying respirator with High Efficiency Particulate Filter/Organic Vapor cartridge should be worn.
- **RESPONSE PROCEDURES FOR ANY RELEASE:** Absorb spilled liquid with polypads or other suitable absorbent materials. Rinse area thoroughly. Because this product is a cleaning, all items that come in contact with the solution can be returned to service after rinsing.

### 6.2 ENVIRONMENTAL PRECAUTIONS

- Avoid response actions that can cause a release of a significant amount of product (more than 4 gallons) into the environment. Avoid accidental dispersal of spilled material into soil, waterways and sewers.

### 6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

- **SPILL RESPONSE EQUIPMENT:** Polypad or other absorbent material.

### 6.4 REFERENCES TO OTHER SECTIONS

- **SECTION 8:** For exposure levels and detailed personal protective equipment recommendations.
- **SECTION 13:** For waste handling guidelines.

## SECTION 7: HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING

ITEM	<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
Hygiene Practices	Keep out of reach of children. Follow good chemical hygiene practices. Do not smoke, drink, eat, or apply cosmetics in the chemical use area. Avoid inhalation of vapors, mists and sprays. Use in well-ventilated area. Avoid contact with skin or eyes. Remove contaminated clothing promptly. Clean up spilled product immediately.	Keep out of reach of children. Follow good chemical hygiene practices. Do not smoke, drink, eat, or apply cosmetics in the chemical use area. Avoid inhalation of mists and sprays. Use in well-ventilated area. Avoid contact with skin or eyes. Remove contaminated clothing promptly. Clean up spilled product immediately.
Handling Practices	Employees must be appropriately trained to use this product safely as needed. Keep containers closed when not in use. Keep away from sources of ignition. Take precautionary measures against static discharges. Keep away from heat, sparks, open flames.	Employees must be appropriately trained to use this product safely as needed. Keep containers closed when not in use.

### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

ITEM	<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
Storage Practices	Ensure all containers are correctly labeled. Store containers away from direct sunlight, sources of intense heat, or where freezing is possible. Store this product away from incompatible chemicals. Inspect all incoming containers before storage, to ensure containers are properly labeled and not damaged. Empty containers may contain residual liquid; therefore, empty containers should be handled with care.	Ensure all containers are correctly labeled. Store containers away from direct sunlight, sources of intense heat, or where freezing is possible. Store this product away from incompatible chemicals.
Incompatibilities	See Section 10 (Stability and Reactivity).	See Section 10 (Stability and Reactivity).

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

- **AIRBORNE EXPOSURE LIMITS:**

COMPONENT	ACGIH TLV	OSHA PEL	NIOSH REL	OTHER
Ethanol, 2-Butoxy	TWA = 20 ppm (Skin)	TWA = 50 ppm (Skin)	TWA = 5 ppm (Skin)	NE
Isopropyl alcohol.	TWA= 200 ppm; STEL = 400 ppm	TWA = 400 ppm	TWA= 400 ppm; STEL = 500 ppm	NE

- **BIOLOGICAL OCCUPATIONAL EXPOSURE LIMITS:** The following BEIs have been established for components of this product.
  - ISOPROPYL ALCOHOL: Acetone in Urine; End of Shift; 40 mg/L






### 8.2 EXPOSURE CONTROLS

	<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
<b>Engineering Controls</b> <b>Respiratory Protection</b> <b>Hand Protection</b> <b>Eye Protection</b> <b>Body Protection</b>	Use in well-ventilated environment. None normally needed. Neoprene or nitrile gloves. Safety glasses. Standard protection used in janitorial service. If splashes or sprays can occur, a rubber apron should be used.	Use in well-ventilated environment. None normally needed. Neoprene or nitrile gloves Safety glasses. Standard protection used in janitorial service..



## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (Continued)

### 8.3 PERSONAL PROTECTION SYMBOLS

	<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
Hand Protection		
Eye/Face Protection		
Body Protection		

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

	<u>Product as SOLD</u>	<u>Product at USE DILUTION</u>
Appearance	Light blue color.	Clear, light blue liquid.
Odor	Alcohol odor.	Alcohol schent..
Odor Threshold	Not determined.	Not determined.
pH	6-8	Approximately 7
Melting Point/Freezing Point	Not determined.	Approx. 0°C (32 °F).
Initial Boiling Point/Boiling Range	Not determined.	Approximately 100°C (212°F).
Flash Point	>150°C (65°F); Pinsky-Martens	Not applicable.
Evaporation Rate (Water = 1)	Approx. 1.0.	Approx. 1.0.
Flammability	Class IIIA Combustible Liquid.	Not applicable.
Upper/Lower Explosive Limits	Not determined.	Not applicable.
Vapor Pressure	Not determined.	Not determined.
Vapor Density	Not determined.	Not determined.
Relative Density (Density)	0.99 (8.256 lb/gal)	Approx. 1.0.
Solubility	Completely soluble in water.	Completely soluble in water.
Partition Coefficient/n-octanol/water	Not determined.	Not determined.
Autoignition Temperature	Not applicable.	Not applicable.
Decomposition Temperature	Not determined.	Not determined.
Viscosity	Not determined.	Not determined.

### 9.2 OTHER INFORMATION

- VOC (less water & exempt): 15 g/L.
- WEIGHT% VOC: 1.5%

## SECTION 10: STABILITY AND REACTIVITY

Unless stated, information in this section is for both **Product as SOLD** and **Product at USE DILUTION**.

### 10.1 REACTIVITY

- Not reactive under typical conditions of use or handling.

### 10.2 CHEMICAL STABILITY

- Normally stable under standard temperatures and pressures.

### 10.3 POSSIBILITY OF HAZARDOUS REACTIONS

- Product is not self-reactive, water-reactive, or air-reactive; it will not undergo hazardous polymerization.

### 10.4 CONDITIONS TO AVOID

- Avoid contact with incompatible chemicals.

### 10.5 INCOMPATIBLE MATERIALS

- Strong oxidizing agents, oxidizers, ammonia, bleach, strong acids and strong alkali materials.

### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

- Products of thermal decomposition of this product include carbon monoxide and carbon dioxide.



## SECTION 11: TOXICOLOGICAL INFORMATION

Unless stated, information in this section is for both **Product as SOLD** and **Product at USE DILUTION**.

### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

- **ACUTE TOXICITY:**

- **TOXICOLOGY DATA:** The following data are available for components of this product.

**ISOPROPYL ALCOHOL**

LD<sub>50</sub> (Oral, Rat) = 5,045 mg/kg  
 Remarks:  
 Behavioral: Altered sleep time (including change in righting reflex). Behavioral: Somnolence (general depressed activity).  
 LC<sub>50</sub> (Inhalation – Rat) = 8 hours/ 16000 ppm  
 LD<sub>50</sub> (Dermal, Rabbit) = 12,800 mg/kg  
 LDLo (Human, Unreported) = 2 mL/kg  
 LDLo (Human, Oral) = 3570 mg/Kg (vomiting, respiratory depression, coma)

**SODIUM LAURYL SULFATE**

LD<sub>50</sub> (Oral, Rat) = 1288 mg/kg  
 LC<sub>50</sub> (Inhalation, Rat) > 3900 mg/m<sup>3</sup> – 1 hour  
 LD<sub>50</sub> (Dermal, Rabbit) = 580 mg/kg

- **DEGREE OF IRRITATION:** Serious eye irritant and mild skin irritant. See Section 4 (First Aid Measures) for more details. The following data are available for components of this product:
- **SENSITIZATION:** This product is not reported to have skin or respiratory sensitization effects.
- **REVIEW OF ACUTE SYMPTOMS AND EFFECTS BY ROUTE OF EXPOSURE:** See Section 2 (Hazards Information) and Section 4 (First Aid Measures) for additional details.

<b>Eyes</b>	Irritating the eyes.
<b>Skin</b>	Mildly to moderately irritating, depending on duration of exposure.
<b>Inhalation</b>	May cause mild respiratory tract irritation if mists are inhaled.
<b>Ingestion</b>	May cause gastrointestinal system irritation.

- **CHRONIC TOXICITY:**

- **CARCINOGENICITY STATUS:** The following carcinogenicity data are available for components of this product.

CHEMICAL	IARC	NTP	NIOSH	OSHA	OTHER
Isopropyl Alcohol	IARC-3: Unclassifiable as to Carcinogenicity in Humans	NO	NO	NO	TLV-4: Not Classifiable as a Human Carcinogen;

- **REPRODUCTIVE TOXICITY INFORMATION:** The components of this product are not reported to cause reproductive effects under typical circumstances of exposure.
- **MUTAGENIC EFFECTS:** The components of this product are not reported to cause mutagenic effects under typical circumstances of exposure.
- **SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE:** This product can cause central nervous system effects.
- **SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE:** Not applicable.
- **ASPIRATION HAZARD:** Not applicable.

- **OTHER INFORMATION:**

- **TOXICOLOGICALLY SYNERGISTIC PRODUCTS:** None known.
- **ADDITIONAL TOXICOLOGY:** Not applicable.

## SECTION 12: ECOLOGICAL INFORMATION

Unless stated, information in this section is for both **Product as SOLD** and **Product at USE DILUTION**.

### 12.1 TOXICITY

- Based on available data, this product may be harmful to contaminated terrestrial or aquatic plants or animals, depending on the volume released into the environment.
- The following aquatic toxicity data are available for components of this product.

#### ISOPROPYL ALCOHOL

LC50 (Pimephales promelas): 9,640.00 mg/L - 96 hours  
 EC50 (Daphnia magna): 5,102.00 mg/L - 24 hours  
 Immobilization EC50 (Daphnia magna) : 6,851 mg/L - 24 hours  
 EC50 - Algae > 1,000.00 mg/L - 24 h

#### SODIUM LAURYL SULFATE

LC50 [Pimephales promelas] = 29 mg/L/96 hours  
 LC50 [Oncorhynchus mykiss] = 13.5-13.8 mg/L/96 hours  
 LC50 [Lepomis macrochirus] = 6.2-9.6 mg/L/96 hours  
 LC50 [Poecilia reticulata] = 5.8-7.5 mg/L/96 hours  
 LC50 [Brachydanio rerio] = 10.2-22.5 mg/L/96 hours

### 12.2 PERSISTENCE AND DEGRADABILITY

- When released into the soil, the components of this product are expected to biodegrade, dissipate in soils via oxidation, or otherwise chemically degrade or photo-decompose via solar radiation.

### 12.3 BIOACCUMULATIVE POTENTIAL

- This product is not anticipated to bioaccumulate significantly.

### 12.4 MOBILITY IN SOIL

- It is to be expected this product will have some mobility in soil.

### 12.5 OTHER ADVERSE EFFECTS

- None reported.

## SECTION 13: DISPOSAL CONSIDERATION

### 13.1 WASTE TREATMENT METHODS

#### Product as SOLD

Dispose of in accordance with local, State and Federal regulations.

#### Product at USE DILUTION

Dispose of unused product in accordance with local, State and Federal regulations.

### 13.2 DISPOSAL CONSIDERATIONS

- EPA RCRA WASTE CODE:** Not applicable.

## SECTION 14: TRANSPORT INFORMATION

### 14.1 DANGEROUS GOODS BASIC DESCRIPTION AND OTHER TRANSPORT INFORMATION

- DEPARTMENT OF TRANSPORTATION HAZARDOUS MATERIALS SHIPPING REGULATIONS:**

UN/NA Number	Proper Shipping Name	Packing Group	Hazard Class	Label	North American Emergency Response Guide #	Marine Pollutant Status
NOT APPLICABLE						

- IATA DESIGNATION:** This product is not regulated as dangerous goods by the International Air Transport Association.
- IMO DESIGNATION:** This product is not regulated as dangerous goods by the International Maritime Organization.

### 14.2 ENVIRONMENTAL HAZARDS

- None described, as related to transportation.

### 14.3 SPECIAL PRECAUTIONS FOR USERS

- Not applicable.

### 14.4 TRANSPORT IN BULK

- Not applicable.

## SECTION 15: REGULATORY INFORMATION

### 15.1 SAFETY, HEALTH, AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE PRODUCT

- **OTHER IMPORTANT U.S. REGULATIONS**

- **U.S. SARA HAZARD CATEGORIES (SECTION 311/312, 40 CFR 370-21):** ACUTE: Yes; CHRONIC: No; FIRE: No; REACTIVE: No; SUDDEN RELEASE: No
- **U.S. CERCLA REPORTABLE QUANTITY (RQ):** Not applicable.
- **U.S. TSCA INVENTORY STATUS:** All components of this product are listed on the TSCA Inventory.
- **CALIFORNIA SAFE DRINKING WATER ACT (PROPOSITION 65) STATUS:** Not applicable.

- **INTERNATIONAL REGULATIONS**

- **CANADIAN REGULATORY STATUS:** The product is classified as hazardous under Canadian Controlled Products regulations (SOR-88-66).
  - Classification: B3 – Combustible Liquid; D2B – Materials Causing Other Toxic Effects/Toxic
  - This SDS contains all the information required by the CPR.
- **CANADIAN DSL/NDSL INVENTORY STATUS:** The listed components of this product are on the DSL/NDSL Inventory.
- **CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS:** The components of this product are not on the CEPA Priorities Substances Lists.
- **GERMAN WATER HAZARD CLASSIFICATION:** 1 (low hazard to waters).



## SECTION 16: OTHER INFORMATION

### 16.1 INDICATION OF CHANGE

- **DATE OF REVISION:** April 27, 2015
- **SUPERCEDES:** September 5, 2014
- **CHANGE INDICATED:** Update of OSHA Hazard Communication Standard (29 CFR 1910.1200),

### 16.2 KEY LITERATURE REFERENCES AND SOURCES FOR DATA

- SAFETY DATA SHEETS FOR COMPONENT PRODUCTS.
- Federal OSHA Hazard Communication Standard: 29 CFR 1910.1200.
- SAX – Dangerous Properties of Industrial Materials
- RTECS – Registry of Effects of Toxic Chemicals
- TOXNET – <http://toxnet.nlm.nih.gov/>

### 16.3 HAZARDOUS MATERIALS CLASSIFICATION SYSTEM

#### Product as SOLD

Health	1	HMIS Personal Protective Equipment Rating: Occupational Use situations: B- Safety glasses and gloves. C – Add rubber apron if splashes/sprays can occur.
Flammability	0	
Physical Hazard	0	
Protective Equipment	B/C	

#### Product at USE DILUTION

Health	0	HMIS Personal Protective Equipment Rating: Occupational Use situations: B- Safety glasses and gloves.
Flammability	0	
Physical Hazard	0	
Protective Equipment	B	

## SECTION 16: OTHER INFORMATION (Continued)

### 16.4 DISCLAIMER

WAXIE Sanitary Supply makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of their own use, handling and disposal of this product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by WAXIE Sanitary Supply as to the effects of such use, the results to be obtained or the safety and toxicity of this product, nor does WAXIE Sanitary Supply assume any liability arising out of the use by others of this product referred to herein. The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. WAXIE Sanitary Supply does not recommend blending this product with any other chemicals. All information, recommendations and data contained herein concerning this product are based upon information available at the time of writing from recognized technical sources.

### 16.5 ABBREVIATIONS AND ACRONYMS

**ALL SECTIONS:** OSHA: U.S. Federal Occupational Safety and Health Administration. WHMIS: Canadian Workplace Hazardous Materials Standard. GHS: Globally Harmonized System of Classification of Chemical Substances. REACH: European Union regulation, Registration, Evaluation, Authorization and Restriction of Chemical substances.

**SECTION 2:** CAS Number: Chemical Abstract Service Number, which is used by the American chemical Society to uniquely identify a chemical.

**SECTION 5:** NFPA: National Fire Protection Association. NFPA FLAMMABILITY CLASSIFICATION: The NFPA uses the flash point (F.I.P.) and boiling point (BP) to classify flammable or combustible liquids. Class IA: F.I.P. below 73°F and BP below 100°F. Class IB: F.I.P. below 73°F and BP at or above 100°F. Class IC: :F.I.P. at or above 73°F and BP at or above 100°F. Class II: : F.I.P. at or above 100°F and below 140°F. Class IIIA: F.I.P. at or above 140°F and below 200°F. Class IIIB: F.I.P. at or above 200°F. NFPA HAZARDOUS MATERIALS RATING: This is a rating system used to summarize physical and health hazards to firefighters. 0 = No Significant Hazard. 1 = Slight Hazard. 2 = Moderate Hazard. 3 = Severe Hazard. 4 = Extreme Hazard.

**SECTION 8:** NE: Not established. ACGIH: American Conference of Government Industrial Hygienists; TWA: Time-Weighted Average (over an 8-hour work day); STEL: Short-Term Exposure Limit (15 minute average, no more than 4-times daily and each exposure separated by one-hour minimally); C: Ceiling Limit (concentration not to be exceeded in a work environment). PEL: Permissible Exposure Limit. NIOSH: National Institute of Occupational Safety and Health; REL: Recommended Exposure Limit; IDLH: Immediately Dangerous to Life and Health Concentrations. *Note*: In July 1992, a court ruling vacated the more protective PELs set by OSHA in 1989. Because OSHA may enforce the more protective levels under the "general duty clause", both the current and vacated levels are presented in this document. ppm: Parts per Million. mg/m<sup>3</sup>: Milligrams per cubic meter. mppcf: Millions of Particles per Cubic Foot. BEI: Biological Exposure Limit. EL: Exposure Limit ( United Kingdom). Federal Republic of Germany (DFG) Maximum Concentration Values in the Workplace (MAKs)

**SECTION 9:** pH: Scale (0 to 14) used to rate the acidity or alkalinity of aqueous solutions. For example, a pH value of 0 indicates a strongly acidic solution, pH of 7 indicates a neutral solution, and a pH value of 14 indicates an extremely basic solution. FLASH POINT: Temperature at which a liquid generates enough flammable vapors so that ignition may occur. AUTOIGNITION TEMPERATURE: Temperature at which spontaneous ignition occurs.

**SECTION 9 (Continued):** LOWER EXPLOSIVE LIMIT (LEL): The minimal concentration of flammable vapors in air which will sustain ignition. UPPER EXPLOSIVE LIMIT (UEL): The maximum concentration of flammable vapors in air which will sustain ignition.≈: Approximately symbol. VOC: Volatile Organic Compound.

**SECTION 11:** CARCINOGENICITY STATUS: NTP: National Toxicology Program. IARC: International Agency for Research on Cancer. REPRODUCTIVE TOXICITY INFORMATION: Mutagen: Substance capable of causing chromosomal damage to cells. Embryotoxin: Substance capable of damaging the developing embryo in an overexposed female. Teratogen: Substance capable of damaging the developing fetus in an overexposed female. Reproductive toxin: Substance capable of adversely affecting male or female reproductive organs or functions. TOXICOLOGY DATA: LDxxor LCxx: The Lethal Dose or Lethal Concentration of a substance which will be fatal to a given percentage (xx) of exposed test animals by the designate route of administration. This value is used to access the toxicity of chemical substances to humans. TDxxor TCxx: The Toxic Dose or Toxic Concentration of a substance which will cause an adverse effect to a given percentage (xx) of exposed test animals by the designate route of administration.

**SECTION 12:** EC50: Effect Concentration (on 50% of study group); BOD: Biological Oxygen Demand. N/LOEC: No/Lowest Observable Effect Concentration.

**SECTION 13:** RCRA: Resource Conservation and Recovery Act. The regulations promulgated under this act under Act are found in 40 CFR, Sections 260 ff, and define the requirements of hazardous waste generation, transport, treatment, storage, and disposal. EPA RCRA Waste Codes: Defined in 40 CFR Section 261.

**SECTION 15:** CERCLA: Comprehensive Environmental Response Compensation and Liability Act (a.k.a. "Superfund") and SARA: (Superfund Amendment and Reauthorization Act). The regulations promulgated under this Act are located under 40 CFR 300 ff. and provide "community right-to-know" requirements. TSCA: Toxic Substances Control Act: Rules regulating the manufacture and sale of chemicals found in 40 CFR 700-766. DSL/NDSL: Canadian Domestic Substances and Non-Domestic Substances Lists.

**SECTION 16:** HAZARDOUS MATERIALS IDENTIFICATION SYSTEM RATING: This is a rating system used by industry to summarize physical and health hazards to chemical users and was originally developed by the National Paint and Coating Association. 0 = No Significant Hazard. 1 = Slight Hazard. 2 = Moderate Hazard. 3 = Severe Hazard. 4 = Extreme Hazard.



**The Clorox Company**

1212 Broadway  
Oakland, CA 94612  
Tel. (510) 271-7000

**Material Safety  
Data Sheet**

<b>I Product:</b> CLOROX® CLEAN LINEN® BLEACH										
<b>Description:</b> CLEAR, PALE YELLOW, THIN LIQUID WITH A FRUITY, CITRUS, FLORAL, BLEACH ODOR										
	<b>Distributor</b>									
	The Clorox Sales Company 1221 Broadway Oakland, CA 94612									
	<b>Emergency Telephone Nos.</b>									
	For Medical Emergencies, call 1-800-446-1014.  For Transportation Emergencies, call 1-800-424-9300 (Chemtrec).									
<b>II Health Hazard Data</b>	<b>III Hazardous Ingredients</b>									
<p>Eye irritant. May cause skin irritation. May be harmful if swallowed.</p> <p>No medical conditions are known to be aggravated by exposure to this product.</p> <p><b>FIRST AID:</b></p> <p><b>EYE CONTACT:</b> Immediately rinse with water for 15 minutes. Call a doctor.</p> <p><b>SKIN CONTACT:</b> Rinse with water. If irritation persists, call a doctor.</p> <p><b>INGESTION:</b> Drink a glassful of water. Call a doctor or poison control center. Do not induce vomiting unless told to do so by a poison control center or doctor.</p> <p><b>INHALATION:</b> Remove to fresh air. If breathing problems develop, call a doctor.</p>	<table border="1"> <thead> <tr> <th>Ingredient</th> <th>Concentration</th> <th>Worker Exposure Limit</th> </tr> </thead> <tbody> <tr> <td>Sodium hypochlorite CAS # 7681-52-9</td> <td>1 - 5%</td> <td>Not established.</td> </tr> <tr> <td>Sodium hydroxide CAS #1310-73-2</td> <td>0.1 - 1%</td> <td>2 mg/m<sup>3</sup> - TLV-C<sup>a</sup> 2 mg/m<sup>3</sup> - PEL<sup>b</sup></td> </tr> </tbody> </table> <p><sup>a</sup>TLV-C = ACGIH Threshold Limit Value - Ceiling. <sup>b</sup>TLV-TWA = OSHA Permissible Exposure Limit - Time Weighted Average.</p> <p>None of the materials in this product are on the IARC, NTP, or OSHA carcinogen lists.</p>	Ingredient	Concentration	Worker Exposure Limit	Sodium hypochlorite CAS # 7681-52-9	1 - 5%	Not established.	Sodium hydroxide CAS #1310-73-2	0.1 - 1%	2 mg/m <sup>3</sup> - TLV-C <sup>a</sup> 2 mg/m <sup>3</sup> - PEL <sup>b</sup>
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<b>IV Special Protection and Precautions</b>	<b>V Transportation and Regulatory Data</b>									
<p><b>Hygienic Practices:</b> Wash hands after direct contact. Do not wear product-contaminated clothing for prolonged periods.</p> <p><b>Engineering Controls:</b> Use general ventilation to minimize exposure to product mist.</p> <p><b>Personal Protective Equipment:</b> Wear safety glasses. Wear rubber or neoprene gloves if there is the potential for repeated or prolonged skin contact. In situations where exposure limits may be exceeded, a NIOSH-approved respirator is advised</p>	<p><b>DOT:</b> Not restricted.</p> <p><b>IMDG:</b> Environmentally hazardous substance, liquid, n.o.s., UN3082, Class 9, PGIII.</p> <p><b>IATA:</b> Environmentally hazardous substance, liquid, n.o.s., UN3082, Class 9, PGIII.</p> <p><b>EPA - SARA Title III/CERCLA:</b> This product is regulated under Sections 311/312. This product contains no chemicals that are regulated under Section 313 and contains sodium hypochlorite and sodium hydroxide that are regulated under Section 304/CERCLA.</p> <p><b>TSCA 8(b):</b> All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.</p> <p><b>TSCA 12(b):</b> This product is not subject to TSCA 12(b) reporting requirements.</p>									
<b>VI Spill Procedures/Waste Disposal</b>	<b>VII Reactivity Data</b>									
<p><b>Spill Procedures:</b> Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material. For spills of multiple products, responders should evaluate the MSDSs of the products for incompatibility with sodium hypochlorite. Breathing protection should be worn in enclosed and/or poorly-ventilated areas until hazard assessment is complete.</p> <p><b>Waste Disposal:</b> Dispose of in accordance with all applicable federal, state, and local regulations.</p>	<p>Stable under normal use and storage conditions.</p> <p>Reacts with other household chemicals such as acid toilet bowl cleaners, rust removers, acids, and ammonia-containing products to produce hazardous gases, such as chlorine and other chlorinated compounds.</p>									
<b>VIII Fire and Explosion Data</b>	<b>IX Physical Data</b>									
Not flammable or explosive.	<p>pH.....~12.5</p> <p>Specific gravity.....~1.05</p> <p>Solubility in water .....Soluble</p>									



The Clorox Company  
1221 Broadway  
Oakland, CA 94612  
Tel. (510) 271-7000

# Material Safety Data Sheet

<b>I Product:</b>	CLOROX® DISINFECTING WIPES	
<b>Description:</b>	FRAGRANCED, MOISTENED TOWELETTE	
<b>Other Designations</b>	<b>Distributor</b>	<b>Emergency Telephone Nos.</b>
EPA Reg. No. 5813-58	Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrac (800) 424-9300

<b>II Health Hazard Data</b>	<b>III Hazardous Ingredients</b>														
<p><b>Eye Contact:</b> Can cause moderate eye irritation.</p> <p><b>Ingestion:</b> Liquid should be practically non-toxic if ingested.</p> <p><b>Skin Contact:</b> Prolonged skin contact may produce minor irritation.</p> <p><b>FIRST AID:</b> EYES- Flush with plenty of water. Call a physician if irritation persists. IF SWALLOWED- Drink a glassful of water. Call a physician or poison control center. SKIN- Wash thoroughly with soap and water after handling. INHALATION- If breathing is affected, move to fresh air.</p> <p>Under normal consumer use conditions the likelihood of any adverse health effects are low.</p>	<table border="1"> <thead> <tr> <th>Ingredient</th> <th>Concentration</th> <th>Worker Exposure Limit</th> </tr> </thead> <tbody> <tr> <td>n-Alkyl (C14, 60%; C16, 30% C12, 5%; C18, 5%) dimethylbenzyl ammonium chloride</td> <td>0.145%</td> <td>Not established</td> </tr> <tr> <td>n-Alkyl (C12, 68%, C14, 32%) Dimethyl Ethylbenzyl ammonium chloride</td> <td>0.145%</td> <td>Not established</td> </tr> <tr> <td>Isopropanol CAS #67-63-0</td> <td>1- 5%</td> <td>400 ppm/500 ppm<sup>1</sup> 400 ppm<sup>2</sup></td> </tr> </tbody> </table> <p><sup>1</sup>1998 ACGIH, TLV-TWA/STEL TLV-TWA- Threshold Limit Value-Time Weighted Average. STEL- Short Term Exposure Limit <sup>2</sup>PEL- OSHA Permissible Exposure Limit</p> <p>None of the ingredients in this product are on the IARC, NTP or OSHA carcinogen lists.</p>	Ingredient	Concentration	Worker Exposure Limit	n-Alkyl (C14, 60%; C16, 30% C12, 5%; C18, 5%) dimethylbenzyl ammonium chloride	0.145%	Not established	n-Alkyl (C12, 68%, C14, 32%) Dimethyl Ethylbenzyl ammonium chloride	0.145%	Not established	Isopropanol CAS #67-63-0	1- 5%	400 ppm/500 ppm <sup>1</sup> 400 ppm <sup>2</sup>		
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Isopropanol CAS #67-63-0	1- 5%	400 ppm/500 ppm <sup>1</sup> 400 ppm <sup>2</sup>													

<b>IV Special Protection and Precautions</b>	<b>V Transportation and Regulatory Data</b>
<p>No special protection or precautions have been identified for using this product under directed consumer use conditions.</p> <p>The following recommendations are given for production facilities and for other conditions and situations where there is increased potential for accidental, large-scale or prolonged exposure.</p> <p><b>Hygienic Practices-</b> Wear safety glasses. Use rubber or nitrile gloves if in contact liquid, especially for prolonged periods.</p> <p><b>Engineering Controls:</b> Use general ventilation to minimize exposure to vapor or mist.</p> <p><b>Work Practices:</b> Avoid eye and skin contact and inhalation of vapor or mist. Avoid contact with food. Not for personal cleansing.</p> <p><b>KEEP OUT OF THE REACH OF CHILDREN</b></p>	<p><b>U.S. DOT, IATA, IMG Hazard Class:</b> Not restricted.</p> <p><b>U.S. DOT Proper Shipping Name:</b> None</p> <p><b>EPA- SARA Title III/CERCLA:</b> Product may be regulated under Sections 311/312. This product contains no chemicals regulated under Section 304/CERCLA or Section 313.</p> <p><b>TSCA/DSL:</b> All chemicals in this product are listed on the TSCA Inventory. The DSL status for some components has not been determined.</p>

<b>VI Spill Procedures/Waste Disposal</b>	<b>VII Reactivity Data</b>
<p><b>Spill Procedures:</b> Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed down material.</p> <p><b>Waste Disposal:</b> Disposal must be made in accordance with applicable federal, state and local regulations.</p>	<p><b>Stability:</b> Mixing with sodium hypochlorite may release small amounts of formaldehyde gas.</p> <p><b>Storage/Disposal:</b> Do not use or store near heat or open flame.</p>

<b>VIII Fire and Explosion Data</b>	<b>IX Physical Data</b>
<p>Flashpoint: &gt;119°F Method: Closed cup. Unusual Fire and Explosion Hazards: None</p>	<p>Flashpoint..... &gt;119°F Specific Gravity..... 0.99 g/cc. pH..... 5.0-6.0 Solubility in Water..... Liquid is completely dispersible</p>

©1963, 1991 THE CLOROX COMPANY  
DATA SUPPLIED IS FOR USE ONLY IN CONNECTION WITH OCCUPATIONAL SAFETY AND HEALTH DATE PREPARED 7/06

# Material Safety Data Sheet

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## 1. Chemical Product and Company Identification

DESCRIPTION: ELMER'S NO WRINKLE RUBBER CEMENT  
PRODUCT TYPE: NATURAL RUBBER  
EMS Catalog # 72170

Distributed by: Electron Microscopy Sciences  
321 Morris Road \* P.O. Box 251  
Fort Washington, PA 19034

Tel: 215-646-1566 or 800-523-5874  
Fax: 215-646-8931 email:sgkcck@aol.com

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- **Manufacturer/Supplier Information**

MSDS Prepared by:  
Elmer's Products, Inc.

For additional health, safety or regulatory information, call 215-646-1566 to place an order or request additional MSDSs.

---

## 2. Composition, Information on Ingredients

The ingredients listed below have been associated with one or more immediate and/or delayed(\*) health hazards. Risk of damage and effects depends upon duration and level of exposure. BEFORE USING, HANDLING, OR EXPOSURE TO THESE INGREDIENTS, READ AND UNDERSTAND THE MSDS.

	% by weight
67-63-0 *Isopropanol	1-5
142-82-5 Heptane	>70

---

## 3. Hazards Identification

---

### 3.1 Emergency Overview





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## 4. First Aid Measures

INGESTION: If accidentally swallowed, dilute by drinking large quantities of water. Immediately contact poison control center or hospital emergency room for any other additional treatment directions.

INHALATION: Remove to fresh air.

SKIN: In case of irritation, flush with water.

EYES: Immediately flush eyes with plenty of water. Call a physician if irritation persists.

---

## 5. Fire Fighting Measures

Autoignition Temperature Not available  
Upper/Lower Flammable Limits Not available  
Up/Lower Explosive Limits, % by Vol Not available/l  
Flash Point -4 deg C (TCC)

EXTREMELY FLAMMABLE LIQUID AND VAPOR.

Keep liquid and vapor away from heat, sparks, flame and other ignition sources including, but not limited to, pilot lights, heaters, cigarettes, electric motors and static discharge. Vapor is heavier than air and may settle in low places or travel outward to a source of ignition and flashback.

In case of fire, use water spray, dry chemical, foam or CO<sub>2</sub>. Use water to keep fire-exposed containers cool.

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## 6. Accidental Release Measures

Eliminate all ignition sources. Soak up with absorbent material and remove to a chemical disposal area. Prevent entry into natural bodies of water.

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## 7. Handling and Storage

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### 7.1 Handling

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin and clothing.

Wash thoroughly after handling.

INHALATION: Avoid prolonged or repeated breathing of vapor.

SKIN: Persons with sensitive skin should avoid prolonged, continuous contact with skin. If irritation develops, discontinue use.

EYES: Avoid prolonged or repeated contact with eyes.

---

## 7.2 Storage

Store in a cool, dry place.  
Keep containers tightly closed.  
Keep away from heat, sparks, flame and other ignition sources.  
Use with adequate ventilation.

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## 8. Exposure Controls/Personal Protection

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### 8.1 Exposure Controls

If airborne contaminants are generated when the material is heated or handled, sufficient ventilation in volume and air flow patterns should be provided to keep air contaminant concentration levels below acceptable criteria.

---

### 8.2 Personal Protection

Where air contaminants can exceed acceptable criteria, use NIOSH/MSHA approved respiratory protection equipment. Respirators should be selected based on the form and concentration of contaminants in air in accordance with OSHA laws and regulations or other applicable standards or guidelines, including ANSI standards regarding respiratory protection.

---

### 8.3 Exposure Guidelines

Isopropanol                    67-63-0  
ACGIH TLV: 400 ppm (983 mg/m<sup>3</sup>) TWA; 500 ppm (1230 mg/m<sup>3</sup>) STEL  
OSHA PEL: 400 ppm (980 mg/m<sup>3</sup>) TWA  
REMANDED PEL: 400 ppm (980 mg/m<sup>3</sup>) TWA; 500 ppm (1225 mg/m<sup>3</sup>) STEL  
OSHA 1989 PEL remanded, but in effect in some states  
Heptane                        142-82-5  
ACGIH TLV: 400 ppm (1640 mg/m<sup>3</sup>) TWA; 500 ppm (2050 mg/m<sup>3</sup>) STEL  
OSHA PEL: 500 ppm (2000 mg/m<sup>3</sup>) TWA  
REMANDED PEL: 400 ppm (1600 mg/m<sup>3</sup>) TWA; 500 ppm (2000 mg/m<sup>3</sup>) STEL  
OSHA 1989 PEL remanded, but in effect in some states

---

## 9. Physical and Chemical Properties

Percent Volatiles	90
pH @ 25 C	Not applicable
Specific Gravity	0.71
Appearance	Opaque liquid

Autoignition Temperature	Not available
Boiling Point	90 deg C
Vapor Density (Air=1)	> 1
Vapor Pressure, mm Hg @ 20 C	Not available
Evaporation Rate (Butyl Acetate=1)	< 1---(ether=1)
Upper/Lower Flammable Limits	Not available
Up/Lower Explosive Limits, % by Vol	Not available/1
Flash Point	-4 deg C (TCC)
Freezing Point	Not available
Odor	Mild solvent
Odor Threshold, ppm	Not available
Solubility in Water	Negligible
Coefficient of Water/Oil Distrib.	Not available

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## 10. Stability and Reactivity

Normally stable as defined in NFPA 704-12(4-3.1).

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- **Conditions to Avoid:**

Exposure to heat, flame and incompatibles.

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- **Incompatibilities:**

Acids, bases, amines.

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- **Decomposition products may include:**

CO, CO2.

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- **Hazardous polymerization:**

Will not occur.

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- **Other Hazards:**

None known to Borden.

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## 11. Toxicological Information

INGESTION: Not toxic orally when tested as described in 16 CFR Part 1500.3 (c) (1) and (2).

INHALATION: Not toxic by inhalation when tested as described in 16 CFR Part 1500.3 (c) (1) and (2).

SKIN: Not toxic dermally when tested as described in 16 CFR

ABSORPTION: Part 1500.3 (c) (1) and (2).  
SKIN: Not a primary irritant (primary skin irritation index less than 5.0/8.0) when tested as described in 16 CFR Part 1500.41.  
EYES: Slightly irritating when tested as described in 16 CFR Part 1500.42.  
Isopropanol 67-63-0  
LC50: rat=16000 ppm/8H (Sax)  
LD50: orl-rat=5.8 g/kg (Merck); skn-rbt=13 g/kg (Sax)  
Heptane 142-82-5  
LC50: Not available  
LD50: Not available

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## 12. Ecological Information

Not determined.

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## 13. Disposal Considerations

Recover free liquid. Absorb residue and dispose of according to local, state/provincial, and federal requirements.  
Empty container: May contain explosive vapors. DO NOT cut, puncture or weld on or nearby.

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## 14. Transport Information

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### 14.1 U.S. Department of Transportation (DOT)

The data provided in this section is for information only and may not be specific to your package size. You will need to apply the appropriate regulations to properly classify your shipment for transportation.  
ORM-D Consumer Commodity.

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### 14.2 Canadian Transportation of Dangerous Goods (TDG)

Not determined.

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## 15. Regulatory Information (Selected Regulations)

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### 15.1 U.S. Federal Regulations

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- **OSHA Hazard Communication Standard 29CFR1910.1200**

This material is a "health hazard" and/or a "physical hazard" as determined when reviewed according to the requirements of the Occupational Safety and Health Administration 29 CFR Part 1910.1200 "Hazard Communication" Standard.

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- **SARA Title III: Section 311/312**

Fire hazard  
Delayed health hazard

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- **SARA Title III Section 313 and 40 CFR Part 372**

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and Subpart C-Supplier Notification Requirement of 40 CFR Part 372.  
None required per SARA TITLE III SECTION 313.

---

- **TSCA Section 8(b) Inventory**

All reportable chemical substances are listed on the TSCA Inventory. We rely on certifications of compliance from our suppliers for chemical substances not manufactured by Borden.

---

## 15.2 Canadian Regulations

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- **Workplace Hazardous Materials Information System (WHMIS)**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR) and the MSDS contains all the information required by the CPR.

CLASS D, DIV 2B

CLASS B, DIV 2

---

- **Canadian Environmental Protection Act (CEPA)**

All reportable chemical substances are listed on the Domestic Substances List (DSL) or otherwise comply with CEPA new substance notification requirements.

---

- **National Pollutant Release Inventory (NPRI)**

This product contains the following chemical(s) subject to the reporting requirements of the Canadian Environmental Protection Act (CEPA) subsection 16(1), National Pollutant Release Inventory.

Isopropyl alcohol	67-63-0	1.49%
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## 16. Other Information

CL (Cautionary Labeling): Products bearing the CL (Cautionary Labeling) Seal of The Art & Creative Materials Institute, Inc. (ACMI) are certified to be properly labeled in a program of toxicological evaluation by a medical expert. This program is reviewed by ACMI's Toxicological Advisory Board. These products are certified by ACMI to be labeled in accordance with the chronic hazard labeling standard, ASTM D-4236 and Federal Law, P.L. 100-695.

---

- **User's Responsibility**

The OSHA Hazard Communication Standard 29CFR 1910.1200 and the Workplace Hazardous Materials Information System (WHMIS) require that the information contained on these sheets be made available to your workers. Educate and train your workers regarding OSHA and WHMIS precautions. Instruct your workers to handle this product properly. Consult with appropriate experts to guard against hazards associated with use of this product and its ingredients.

---

- **Disclaimer**

SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE, except that the product shall conform to contracted specifications, and that the product does not infringe any valid United States or Canadian patent. No claim of any kind shall be greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In no event shall Seller be liable for incidental or consequential damages, whether Buyer's claim is based on contract, breach of warranty, negligence or otherwise.

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CUR ISSUE **06/15/2006**  
PREVIOUS ISSUE: 00-XXX-00



## Section 1. Identification

**Product name** : Expo White Board Cleaner

**Material uses** : Cleaning solutions.

**Manufacturer** : Newell Rubbermaid  
3500 Lacey Road, 10th Floor  
Downers Grove, IL 60515  
USA  
800-323-0749 or 630-829-2500

**Emergency telephone number (with hours of operation)** : CHEMTREC (U.S. and Canada) 1-800-424-9300

## Section 2. Hazards identification

**OSHA/HCS status** : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

**Classification of the substance or mixture** : Not classified.

### GHS label elements

**Signal word** : Not applicable

**Hazard statements** : No known significant effects or critical hazards.

### Precautionary statements

**General** : Read label before use. If medical advice is needed, have product container or label at hand.

**Prevention** : Not applicable.

**Response** : Not applicable.

**Storage** : Not applicable.

**Disposal** : Not applicable.

**Hazards not otherwise classified** : None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

Ingredient name	%	CAS number
3-butoxypropan-2-ol	2 - 5	5131-66-8

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 3. Composition/information on ingredients

## 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. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. 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. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

### 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.

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

**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. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised 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.
- Large spill** : Stop leak if without risk. Move containers from spill area. 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. 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).
- 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. 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

None.

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- 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

## Section 8. Exposure controls/personal protection

- 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.
- 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** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. 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.

## Section 9. Physical and chemical properties

### Appearance

- Physical state** : Liquid.
- Color** : Clear.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : Not available.
- Melting point** : Not available.
- Boiling point** : Not available.
- Flash point** : Not available.
- Burning time** : Not applicable.
- Burning rate** : Not applicable.
- Evaporation rate** : Not available.
- Flammability (solid, gas)** : Not available.
- Lower and upper explosive (flammable) limits** : Not available.
- Vapor pressure** : Not available.
- Vapor density** : Not available.
- Relative density** : Not available.
- Solubility** : Not available.
- Solubility in water** : Not available.
- Partition coefficient: n-octanol/water** : Not available.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.
- SADT** : Not available.
- Viscosity** : Not available.

## 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
3-butoxypropan-2-ol	LD50 Dermal	Rabbit	3100 mg/kg	-

#### Irritation/Corrosion

No known significant effects or critical hazards.

#### Sensitization

No known significant effects or critical hazards.

#### Mutagenicity

No known significant effects or critical hazards.

#### Carcinogenicity

No known significant effects or critical hazards.

#### Reproductive toxicity

No known significant effects or critical hazards.

#### Teratogenicity

No known significant effects or critical hazards.

#### Specific target organ toxicity (single exposure)

No known significant effects or critical hazards.

#### Specific target organ toxicity (repeated exposure)

No known significant effects or critical hazards.

#### Aspiration hazard

No known significant effects or critical hazards.

**Information on the likely routes of exposure** : Not available.

### 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.

## Section 11. Toxicological information

### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects

**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

Route	ATE value
Dermal	63798.6 mg/kg

## Section 12. Ecological information

### Toxicity

No known significant effects or critical hazards.

### Persistence and degradability

No known significant effects or critical hazards.

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
3-butoxypropan-2-ol	1.2	-	low

**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. 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	IMDG	IATA
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	-	-	-	-	-

**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

**U.S. Federal regulations** : **United States inventory (TSCA 8b):** All components are listed or exempted.

### SARA 311/312

**Classification** : Not applicable.

### Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
3-butoxypropan-2-ol	2 - 5	Yes.	No.	No.	Yes.	No.

### California Prop. 65

This product does not contain Chemicals known to State of California to cause cancer, birth defects, or reproductive harm.

### Canada

**WHMIS (Canada)** : Not controlled under WHMIS (Canada).

### Canadian lists

**Canadian NPRI** : The following components are listed: Propylene glycol butyl ether

**CEPA Toxic substances** : None of the components are listed.

**Canada inventory** : All components are listed or exempted.

## Section 16. Other information

### History

**Date of issue/Date of revision** : 8/5/2015

**Date of previous issue** : No previous validation

**Version** : 1

**Prepared by** : Product Safety.



## 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  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
UN = United Nations

▣ Indicates information that has changed from previously issued version.

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.



**SECTION 1: COMPANY AND PRODUCT IDENTIFICATION**

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Fellowes, Inc.  
1789 Norwood Avenue  
Itasca, IL 60143-1095  
USA  
Telephone: 630.893.1600  
Fax: 630.893.1648  
Toll Free: 800.945.4545

**Product Name:** 35250 Fellowes Powershred Shredder Lubricant  
**Description:** Lubricant

**SECTION 2: HAZARD IDENTIFICATION**

---

**Inhalation:** May cause slight irritation.  
**Eyes:** May cause slight irritation.  
**Skin:** May cause slight irritation.  
**Ingestion:** May cause gastrointestinal discomfort.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

---

<u>Chemical Name:</u>	<u>CAS No.</u>	<u>EINECS No.</u>	<u>Maximum Weight :</u>
Canola Oil	120962-03-0		>99%

**SECTION 4: FIRST AID MEASURES**

---

**Inhalation:** Move to fresh air.  
**Eyes:** Flush with water.  
**Skin:** Wash with soap and water.  
**Ingestion:** Do not induce vomiting. Seek medical attention.

**SECTION 5: FIREFIGHTING MEASURES**

---

**Flash Point:** >500F (260C) Closed Cup  
**Flammability Limits in Air by volume:** **Lower:** Not explosive **Upper:** Not explosive  
**Extinguishing Media:** Do not use water jet. Use dry chemical, halon, carbon dioxide, water spray, fog, or foam.  
**Special Firefighting Measures:** None  
**Unusual Hazards:** None



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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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Use absorbent material and dispose of appropriately. For large spills, keep product out of sewers and advise authorities if product has entered sewers. Surfaces may become slippery after spillage.

---

**SECTION 7: HANDLING AND STORAGE**

---

**Handling:** Keep away from heat and sources of ignition.  
**Storage:** Do not store near heat or flame. Store away from strong oxidizers.

---

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

---

**Eyes and Face:** None necessary when product is used as intended.  
**Clothing:** No special protective clothing when used as intended.  
**Respiratory:** None necessary when product is used as intended.  
**Ventilation:** Normal ventilation is adequate.

---

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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**Boiling Point:** >575F  
**Evaporation Rate:** Not available  
**Specific Gravity:** 0.92 g/ml (7.67 lb/gal) @ 25C  
**Solubility in Water:** Not soluble  
**Appearance/Odor:** Yellow to amber liquid; faint fatty odor.

---

**SECTION 10: STABILITY AND REACTIVITY**

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**Stable:** Stable under normal conditions.  
**Conditions to Avoid:** Keep away from heat and open flame. Avoid strong oxidizing agents.  
**Chemical Incompatibility:** Strong oxidizers  
**Hazardous Decomposition:** Combustion produces carbon monoxide, carbon dioxide, along with thick smoke.  
**Polymerization:** Will not occur

---

**SECTION 11: TOXICOLOGICAL INFORMATION**

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Not listed on NTP, OSHA, or IARC.



**SECTION 12: ECOLOGICAL INFORMATION**

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This product is biodegradable.

**SECTION 13: DISPOSAL CONSIDERATIONS**

---

**Disposal Methods:** Dispose in accordance with Federal, State, and Local Regulations.

**Additional Information:** "Empty" containers should be completely drained.

**SECTION 14: TRANSPORT INFORMATION**

---

**DOT:** Not regulated as a hazardous material.

**IATA:** Not regulated as a hazardous material.

**IMO:** Not regulated as a hazardous material.

**SECTION 15: REGULATORY INFORMATION**

---

**United States:** The components used in this product are listed on the Toxic Substances Control Act.

**Canada:** All components are listed on the Canadian DSL.

**EU:** Currently not classified according to EEC Directives.

**Additional:** None

**SECTION 16: OTHER INFORMATION**

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According to 29 CFR 1910.1200(b)(6)(ix) of the Code of Federal Regulations, amended July 1, 2007, the Fellowes product described in this Material Safety Data Sheet is exempt from the Hazard Communication Standard. The information contained in this MSDS is not meant to imply that this Fellowes product is covered by the OSHA Hazard Communication Standard nor meant to comply with the OSHA Hazard Communication Standard.

HMIS RATING	
<b>Health</b>	0
<b>Flammability</b>	1
<b>Physical Hazard</b>	0
<b>Personal Protection</b>	N/A

February 10, 2012

# Material Safety Data Sheet



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## Section 1: PRODUCT AND COMPANY IDENTIFICATION

---

Vi-Jon Incorporated  
8515 Page Avenue  
Saint Louis, MO 63114

**Phone:** 314-427-1000  
**In Case of Spill Emergency Contact:**  
**Chemtrec:** 1-800-424-9300

**Product Name:** Germ-X Hand Sanitizer  
**Product Code:** 028  
**Product Use:** Hand Sanitizer  
**Issue Date:** 04/23/2008  
**Supersedes Date:** July 2007

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## Section 2: HAZARDS IDENTIFICATION

---

**EMERGENCY OVERVIEW:** Keep out of reach of children.  
Appearance/Odor: Clear gel with alcohol/citrus odor.

**WARNING:**

Flammable (ethyl alcohol and isopropyl alcohol)  
Target (ethyl alcohol and isopropyl alcohol) respiratory system, skin, eyes, CNS, liver, blood and reproductive system.

**Potential Health Effects:** See Section 11 for more information.

**Symptoms of Exposure:**

Inhalation: May cause irritation of the respiratory tract.  
Ingestion: May cause nausea, vomiting and diarrhea.  
Eyes: May cause irritation to the eyes.  
Skin: None expected.

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

This material contains components that are considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Potential Environmental Effects:** See Section 12 for more information.

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**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

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Component	CAS#	% by Wt.
Ethyl Alcohol	64-17-5	59%
Isopropyl Alcohol	67-64-0	3%

---

**Section 4: FIRST AID MEASURES**

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**Emergency first aid procedures by route of exposure:**

- Inhalation:** If symptoms are experienced, remove source of contamination or move victim to fresh air. If affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
- Ingestion:** Do not induce vomiting. If the material is swallowed, get medical attention or advice.
- Skin:** If irritation is experienced, flush with water. If irritation persists, get medical attention.
- Eyes:** Immediately flush eyes with water for at least 15 minutes while holding eyelids open. If symptoms persist, get medical attention.

---

**Section 5: FIRE FIGHTING MEASURES**

---

**Flash Point:** 71°F (21.6°C)

**Method Used:** ASTM D-93

**Lower Flammable Limit:** 3.3 (Volume % in air)

**Upper Flammable Limit:** 19.0 (Volume % in air)

**Auto Ignition:** (Ethyl Alcohol) 363°C

**Flammability Classification:** Flammable Liquid IB

**Extinguishing Media:** Use methods appropriate for the surrounding fire. Consider water spray or fog, carbon dioxide, dry chemical powder, or alcohol resistant foam.

**Products of Combustion:** Upon decomposition this product may emit carbon dioxide, carbon monoxide and/or low molecular weight hydrocarbons.

**Fire Fighting Equipment/Instructions:** Wear protective clothing and equipment suitable for the surrounding fire, including helmet, facemask, and self contained breathing apparatus.

**NFPA Rating:** Health:2 Fire: 3 Reactivity:0

**Hazard Scale:** 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

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**Section 6: ACCIDENTAL RELEASE MEASURES**

---

**Personal Precautions:** For large spills wear gloves, safety glasses and when levels exceed OSHA PEL use appropriate NIOSH approved respiratory protection. Keep unnecessary personnel away. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.

**Environmental Precautions:** Prevent discharge to open waters.

**Method for Containment:** Absorb spilled liquid in suitable non-flammable inert material such as clay, vermiculite or diatomaceous earth.

**Methods for Clean-Up:** Ventilate area of leak or spill. Use spark-proof tools to sweep or scrape up and containerize in approved chemical waste container. Wash spill area with water.

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## Section 7: HANDLING AND STORAGE

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**Handling:** Keep away from heat, sparks and flame. Prevent contact with eyes. Avoid inhalation.

**Storage:** Keep the container tightly closed and in a cool, well ventilated place.

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## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

---

### Exposure Guidelines

Ethyl Alcohol (64-17-5)

ACGIH: 1,000 ppm TWA  
OSHA: 1,000 ppm TWA; 1,900 mg/m<sup>3</sup> TWA

Isopropyl Alcohol (67-63-0)

ACGIH: 200 ppm TWA  
OSHA: 400 ppm TWA; 980 mg/m<sup>3</sup> TWA

**Engineering Controls:** Normal room ventilation is usually adequate under normal use.

### Personal Protective Equipment (PPE)

**Eye/Face Protection:** None needed under normal use.

**Skin Protection:** None needed under normal use.

**Respiratory Protection:** None needed under normal use.

**General Hygiene Considerations:** None needed under normal use.

---

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

---

**Appearance/Color:** Clear Translucent

**Odor:** Alcohol/Citrus

**Physical State:** Gel

**pH:** Not Available.

**Vapor Density:** (Ethyl Alcohol) 1.6

**Boiling Point:** (Ethyl Alcohol) 78.5°C

**Vapor Pressure:** (Ethyl Alcohol) 57.3 hPa at 20°C

**Melting Point:** (Ethyl Alcohol) -114.1°C

**Freezing Point:** Not Available

**Flash Point** (see section 5)

**Flammability Properties** (see section 5)

**Solubility** (in water): Soluble

**Specific Gravity @ 25°C:** 0.88-0.92

**Evaporation Rate:** Not Available

**Octanol/Water partition coefficient (K<sub>ow</sub>):** (Ethyl Alcohol): - 0.32

**Auto-ignition temperature:** (Ethyl Alcohol) 363°C

**Decomposition temperature:** Not Available

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**Section 10: STABILITY AND REACTIVITY**

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**Stability:** Stable under normal ambient temperatures 70°C (21°C)

**Condition to Avoid:** Avoid excessive heat or sources of ignition.

**Incompatible Materials:** This product reacts with strong acid, strong bases, and oxidizing agents.

**Hazardous Decomposition:** upon decomposition, this product evolves carbon monoxide, carbon dioxide, and/or low weight hydrocarbons.

**Hazardous Reactions:** Hazardous polymerization will not occur.

---

**Section 11: TOXICOLOGY INFORMATION**

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**ACUTE EFFECTS:**

**A: General Product information**

Product contains ethyl alcohol and isopropyl alcohol.

**B: Component Analysis LD50**

Ethyl Alcohol (64-17-5)  
Oral LD50 Rat: 7060 mg/kg

Isopropyl Alcohol (67-63-0)  
Inhalation LC50 Rat: 72.6 mg/L/4H  
Oral LD50 Rat: 4396 mg/kg  
Dermal LD50 Rat: 12800 mg/kg  
Dermal LD50 Rabbit: 12870 mg/kg

**CHRONIC EFFECTS:**

**Component**

Ethyl Alcohol (64-17-5)

**Carcinogenicity:** ACGIH A4 – Not Classifiable as a Human Carcinogen

**Neurotoxicity:** This product contains ethyl alcohol, a central nervous system target.

**Mutagenicity:** No information available for product.

**Reproductive:** No information available for product.

**Developmental:** Ethyl alcohol is a developmental toxin when consumed during pregnancy.

**Target Organs:** When consumed, ethyl alcohol can target the respiratory system, skin, eyes, CNS, liver, blood and reproductive system.

Isopropyl Alcohol (67-63-0)

**Carcinogenicity:** ACGIH A4 – Not Classifiable as a Human Carcinogen

**Neurotoxicity:** This product contains isopropyl alcohol, a central nervous system target.

**Mutagenicity:** No information available for product.

**Reproductive:** No information available for product.

**Developmental:** No information available for product.

**Target Organs:** skin, eyes, CNS, Kidney, Developmental and respiratory system.



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**Section 12: ECOLOGICAL INFORMATION**

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**Ecotoxicity:** Ethyl Alcohol (64-17-5)

96 hour LC50 Oncorhynchus mykiss: 12,900 mg/L (flow-through) (30days old)  
96 hour LC50 Pimephales promelas 14.2 mg/L  
5 min EC50 Photobacterium phosphoreum: 35,470 mg/L  
30 min EC50 Photobacterium phosphoreum: 34,634 mg/L  
48 hour EC50 Daphnia magna: 9,268 mg/L  
24 hour EC50 Daphnia magna: 10,800 mg/L

**Ecotoxicity:** Isopropyl Alcohol (67-63-0)

96 Hr EC50 Scenedesmus Subspicatus: >1000 mg/L  
72 Hr EC50 Scenedesmus subspicatus:>1000 mg/L  
96 Hr LC50 Pimephales promelas: 9640 mg/L [flow through]  
96 Hr LC50 Pimephales promelas: 94900 mg/L [flow through] (29 days old)  
96 Hr LC50 Pimephales promelas: 61200 mg/L [flow through] (31 days old)  
5 min EC50 Photobacterium phosphoreum: 35390 mg/L  
48 Hr EC50 Daphnia magna: 13299 mg/L

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**Section 13: DISPOSAL CONSIDERATIONS**

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

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**Section 14: TRANSPORTATION INFORMATION**

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Shipping Name: Consumer Commodity ORM-D

Proper Shipping Name for Non-Consumer Commodity: Ethyl Alcohol Solutions, 3, UN1170, PGIII.

IMDG: UN1170, Ethanol Solutions (Ethyl Alcohol Solution), Class 3, PG II (21.6C cc) EmS # F-E S-D, Limited Quantity

---

**Section 15: REGULATORY INFORMATION**

---

Ethyl alcohol and isopropyl alcohol, components of this product, are on the TSCA inventory.

**California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)**

This material contains ethyl alcohol a developmental toxicity when in alcoholic beverages.

The following components appear on one or more of the following state hazardous substance lists:

Component	CAS#	CA	MA	MN	NJ	PA
Isopropyl Alcohol	67-63-0	YES	YES	YES	YES	YES
Ethyl alcohol	64-17-5	YES	YES	YES	YES	YES

---

**Section 16: Other Information**

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Prepared by: Vi-Jon Inc.

**Disclaimer:**

The information and recommendations contained in the Material Safety Data Sheet (MSDS) 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.

Vi-Jon, however, makes no representation as to the completeness or accuracy thereof, and information is supplied upon the express condition that the persons receiving the information will be required to make their own determination as to its suitability for their purposes prior to use. In no event will Vi-Jon be responsible for any damages of any nature whatsoever resulting from the use of, reliance upon, or the misuse of this information. User assumes all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations.

NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY OTHER NATURE, ARE MADE BY VI-JON HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH THE INFORMATION REFERS. The information as supplied herein is simply to be informative and intended solely to alert the user of the substance which is the subject matter of this MSDS. The ultimate compliance with federal, state or local regulations concerning the use of this compound, or compliance with respect to product liability, rests solely upon the purchaser thereof.

This information relates to the material designated and may not be valid for such material used in combination with any other materials nor in any process.

MATERIAL SAFETY DATA SHEET

GLADE® CINNAMON STICKS\* SPRAY

Date Issued: 23Jul2003

Supersedes: 12Dec2002

US MANUFACTURER:

S.C. Johnson & Son, Inc.
Phone: (800) 725-6737
Racine, Wisconsin 53403-2236
Emergency Phone: (866) 231-5406
International Emergency Phone:
(952) 852-4647

CANADIAN MANUFACTURER:

S.C. Johnson and Son, Limited
Phone: (800) 725-6737
1 Webster Street
Brantford, Ontario N3T 5R1
Transportation Emergency:
CANUTEC (collect) (613) 996-6666
Poison Control: (866) 231-5406

Table with 4 columns: HAZARD RATING, HMIS, HAZARD, NFPA. Rows include 4-Very High, 3-High, 2-Moderate, 1-Slight, 0-Insignificant.

DISTRIBUTED IN CANADA BY:
S.C. Johnson and Son, Limited
Phone: (800) 725-6737
1 Webster Street
Brantford, Ontario N3T 5R1

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME..... GLADE® CINNAMON STICKS\* SPRAY
REASON FOR CHANGE..... No significant changes.
PRODUCT USE..... Air care

SECTION 2 - INGREDIENT INFORMATION

Table with 3 columns: INGREDIENT, WEIGHT%, EXPOSURE LIMIT/TOXICITY. Rows include Water, Hydrocarbon propellant.

SECTION 3 - HEALTH HAZARDS IDENTIFICATION (Also See Section 11)

ROUTE(S) OF ENTRY..... Inhalation.
EFFECTS OF ACUTE EXPOSURE:
EYE..... May cause: Mild eye irritation.
SKIN..... None known.
INHALATION..... None known.
INGESTION..... None known.
MEDICAL CONDITIONS..... None known.
GENERALLY RECOGNIZED
AS BEING AGGRAVATED
BY EXPOSURE

SECTION 4 - FIRST AID MEASURES

EYE CONTACT..... Rinse with plenty of water. If irritation persists, get medical attention.
SKIN CONTACT..... No special requirements.
INHALATION..... No special requirements.
INGESTION..... No special requirements.

SECTION 5 - FIRE AND EXPLOSION INFORMATION

FLASH POINT..... < 20°F (< -7°C) (TCC) (propellant)
FLAMMABLE LIMITS..... Not applicable.

MATERIAL SAFETY DATA SHEET

GLADE® CINNAMON STICKS\* SPRAY

Date Issued: 23Jul2003

Supersedes: 12Dec2002

SECTION 5 - FIRE AND EXPLOSION INFORMATION (continued)

AUTOIGNITION... Not applicable.
TEMPERATURE
EXTINGUISHING MEDIA... Foam. CO2. Dry chemical. Water fog.
SPECIAL FIREFIGHTING... Fight fire from maximum distance or protected area. Cool and use caution when approaching or handling fire-exposed containers.
PROCEDURES
UNUSUAL FIRE AND... Aerosol product - Containers may rocket or explode in heat of
EXPLOSION HAZARDS fire.

SECTION 6 - PREVENTIVE RELEASE MEASURES

STEPS TO BE TAKEN IN... Dike large spills. Absorb with oil-dri or similar inert
CASE MATERIAL IS material. Sweep or scrape up and containerize. Rinse affected
RELEASED OR SPILLED area thoroughly with water.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONARY... CAUTION: CONTENTS UNDER PRESSURE. Do not puncture or incinerate.
INFORMATION Do not use near open fire, flames or heat. Do not store at
temperatures above 120 °F (50 °C). Keep out of reach of
children.
OTHER HANDLING AND... Keep out of reach of children. Do not puncture or incinerate.
STORAGE CONDITIONS

SECTION 8 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION. No special requirements under normal use conditions.
VENTILATION... No special requirements.
PROTECTIVE GLOVES... No special requirements under normal use conditions.
EYE PROTECTION... No special requirements under normal use conditions.
OTHER PROTECTIVE... No special requirements.
MEASURES

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

COLOR... Opaque
PRODUCT STATE... Dispensed as a spray mist.
ODOR... Fragrant
pH... Not applicable.
ODOR THRESHOLD... Not available.
SOLUBILITY IN WATER... Complete
SPECIFIC GRAVITY... Not available.
(H2O=1)
VAPOR DENSITY (AIR=1)... Not available.
EVAPORATION RATE (BUTYL ACETATE=1)
VAPOR PRESSURE (mm HG)... Not available.
BOILING POINT... Not applicable.
FREEZING POINT... Not applicable.
COEFFICIENT OF... Not available.
WATER/OIL
PERCENT VOLATILE BY... Not available.
VOLUME (%)
VOLATILE ORGANIC... Not available.
COMPOUND (VOC)

MATERIAL SAFETY DATA SHEET

GLADE® CINNAMON STICKS\* SPRAY

Date Issued: 23Jul2003

Supersedes: 12Dec2002

----- SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES (continued) -----

THEORETICAL VOC..... Not available.  
(LB/GAL)

----- SECTION 10 - STABILITY AND REACTIVITY -----

STABILITY..... Stable  
STABILITY - CONDITIONS. No special requirements.  
TO AVOID  
INCOMPATIBILITY..... No special requirements.  
HAZARDOUS DECOMPOSITION Produces normal products of combustion.  
PRODUCTS  
HAZARDOUS..... Will not occur.  
POLYMERIZATION  
HAZARDOUS..... Not applicable.  
POLYMERIZATION -  
CONDITIONS TO AVOID

----- SECTION 11 - TOXICOLOGY INFORMATION (Also See Section 3) -----

LD50 (ACUTE ORAL TOX).. Greater than 20,000 mg/kg (rats).  
LD50 (ACUTE DERMAL TOX) Not applicable.  
LC50 (ACUTE INHALATION. Not available.  
TOX)  
EFFECTS OF CHRONIC..... None known.  
EXPOSURE  
SENSITIZATION..... None known.  
CARCINOGENICITY..... None known.  
REPRODUCTIVE TOXICITY.. None known.  
TERATOGENICITY..... None known.  
MUTAGENICITY..... None known.

----- SECTION 12 - ECOLOGICAL INFORMATION -----

ENVIRONMENTAL DATA..... Not available.

----- SECTION 13 - DISPOSAL CONSIDERATIONS -----

WASTE DISPOSAL..... If possible, recycle empty aerosol can to nearest steel  
INFORMATION recycling center. Use up package or give to someone who can.

----- SECTION 14 - TRANSPORTATION INFORMATION -----

US DOT INFORMATION..... Deodorants, N.O.I., VNX \$2.00 lb. Consumer commodity ORM-D  
CANADIAN SHIPPING NAME. GLADE® CINNAMON STICKS\* SPRAY  
TDG CLASSIFICATION..... 2.2  
PIN/NIP..... UN1950  
PACKING GROUP..... Not available.  
EXEMPTION NAME..... Consumer commodity

----- SECTION 15 - REGULATORY INFORMATION -----

WHMIS CLASSIFICATION... Non-regulated.

MATERIAL SAFETY DATA SHEET

Page 4 of 4

MSDS # 110624008

**GLADE® CINNAMON STICKS\* SPRAY**

Date Issued: 23Jul2003

Supersedes: 12Dec2002

----- SECTION 15 - REGULATORY INFORMATION (continued) -----

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

All ingredients in this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

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

----- SECTION 16 - OTHER INFORMATION -----

ADDITIONAL INFORMATION. NFPA 30B Level 1 Aerosol.  
EPA REGISTRATION #..... Not applicable.

----- PREPARATION INFORMATION -----

PREPARED BY..... Manufacturer's Technical Support Department. Refer to page 1  
(Manufacturer) for contact information.

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This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond 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.

\*This is a trademark of S.C. Johnson & Son, Inc.

PRINT DATE: 14Oct2005

**MATERIAL SAFETY DATA SHEET****WORKING COPY**

Date Issued: 02/29/2008

MSDS No: 35000003777, -3779, -10207, -10231

Revision No: New MSDS

**GLADE® FABRIC & AIR ODOR ELIMINATOR (All fragrances)****1. PRODUCT AND COMPANY IDENTIFICATION****PRODUCT NAME:** GLADE® FABRIC & AIR ODOR ELIMINATOR (All fragrances)**GENERAL USE:** Household: Cleaning product**MANUFACTURER:**S.C. Johnson & Son, Inc.  
1525 Howe Street  
Racine WI 53403-2236**24 Hr. Medical & Transport Emergency****Phone:** (866) 231-5406**24 Hr. International Medical Emergency****Phone:** (952) 852-4647**CANADIAN ADDRESS:**S.C. Johnson and Son, Limited  
1 Webster Street  
Brantford, Ontario N3T 5R1**24 Hr. Canadian Transport Emergency:****CANUTEC (Canadian Transportation):**(613) 996 - 6666**COMMENTS:** MSDS#s and Fragrance Descriptions:

35000003777: Glade® Fabric &amp; Air Pet Odor Eliminator

35000003779: Glade® Fabric &amp; Air Odor Eliminator - Clean Liner™

350000010207: Glade® Fabric &amp; Air Odor Eliminator - Powder Fresh™

350000010231: Glade® Fabric &amp; Air Odor Eliminator - Tropical Mist®

**2. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW****APPEARANCE/ODOR:** Clear liquid. Fragrant odor.**IMMEDIATE CONCERNS:** CAUTION: EYE IRRITANT. Avoid contact with eyes, skin and clothing.**POTENTIAL HEALTH EFFECTS****EYES:** May cause: Mild eye irritation.**SKIN:** Prolonged or repeated contact may cause: Drying/defatting of skin.**INGESTION:** May cause irritation to mouth, throat and stomach. May cause: Abdominal discomfort.**INHALATION:** May cause irritation to nose, throat and respiratory tract.**MEDICAL CONDITIONS AGGRAVATED:** Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.**ROUTES OF ENTRY:** Eye contact. Skin contact. Inhalation. Ingestion.**3. COMPOSITION / INFORMATION ON INGREDIENTS**

**MATERIAL SAFETY DATA SHEET****WORKING COPY**

Date Issued: 02/29/2008

MSDS No: 350000003777, -3779, -10207, -10231

Revision No: New MSDS

**GLADE® FABRIC & AIR ODOR ELIMINATOR (All fragrances)**

Chemical Name	Wt.%	CAS
Triethylene Glycol	0.1 - 1	000112-27-6
Ethanol	3 - 7	000064-17-5
Water	90 - 95	007732-18-5

**4. FIRST AID MEASURES**

**EYES:** Flush immediately with plenty of water for at least 15 to 20 minutes. If irritation persists, get medical attention.

**SKIN:** Wash contaminated area with water and soap. If irritation develops, get medical attention.

**INGESTION:** Do not induce vomiting! Immediately drink 1-2 glasses of water or milk. Do not administer anything by mouth to an unconscious person. Get medical attention immediately.

**INHALATION:** Remove to fresh air. If breathing is affected, get medical attention.

**5. FIRE FIGHTING MEASURES**

**FLASHPOINT AND METHOD:** 53°C (128°F) TAG CC

**Notes:** Although this product has a flash point below 140F, it is an aqueous solution containing an alcohol and does not sustain combustion.

**FLAMMABLE LIMITS:**

**Notes:** Not Available

**AUTOIGNITION TEMPERATURE:** Not Available

**EXTINGUISHING MEDIA:** Foam. CO2. Dry chemical. Water fog.

**EXPLOSION HAZARDS:** No special hazards known.

**FIRE FIGHTING PROCEDURES:** Normal fire fighting procedure may be used. Fire fighters should wear self-contained breathing apparatus and protective clothing.

**COMMENTS:** Container may melt and leak in heat of fire.

**6. ACCIDENTAL RELEASE MEASURES**

**GENERAL PROCEDURES:** Eliminate all ignition sources. Absorb with oil-dri or similar inert material. Sweep or scrape up and containerize. Do not let spilled or leaking material enter watercourse.

**7. HANDLING AND STORAGE**

**GENERAL PROCEDURES:** Use only as directed. Observe good personal hygiene practices.

**HANDLING:** Keep away from heat, sparks and flame. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep out of reach of children and pets.



**MATERIAL SAFETY DATA SHEET****WORKING COPY**

Date Issued: 02/29/2008

MSDS No: 350000003777, -3779, -10207, -10231

Revision No: New MSDS

**GLADE® FABRIC & AIR ODOR ELIMINATOR (All fragrances)**

**STORAGE:** Keep container closed when not in use. Store in a cool, dry place with adequate ventilation. Keep from freezing.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****EXPOSURE GUIDELINES**

OCCUPATIONAL EXPOSURE LIMITS					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Ethanol	<b>TWA</b>	1000 ppm	1900 mg/m <sup>3</sup>	1000 ppm	1884

**ENGINEERING CONTROLS:** General room ventilation is normally adequate. Substantial amounts of mists/vapors can be controlled with local exhaust ventilation or respiratory protection.

**PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** No special requirements under normal use conditions. If major exposure is possible (e.g. spills): Chemical goggles.

**SKIN:** No special requirements under normal use conditions. If prolonged or repeated contact is possible, wear suitable gloves.

**RESPIRATORY:** No special requirements under normal use conditions.

**OTHER USE PRECAUTIONS:** No special requirements.

**COMMENTS:** ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients except as noted in the table above.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Liquid

**ODOR:** Fragrant

**COLOR:** Clear

**pH:** 4.0 to 6.0

**PERCENT VOLATILE:** > 90.0%

**VAPOR PRESSURE:** Not Available

**BOILING POINT:** Not Available

**FREEZING POINT:** Not Available

**FLASHPOINT AND METHOD:** 53°C (128°F) TAG CC

**Notes:** Although this product has a flash point below 140F, it is an aqueous solution containing an alcohol and does not sustain combustion.

# MATERIAL SAFETY DATA SHEET

## WORKING COPY

Date Issued: 02/29/2008

MSDS No: 350000003777, -3779, -10207, -10231

Revision No: New MSDS

### GLADE® FABRIC & AIR ODOR ELIMINATOR (All fragrances)

**SOLUBILITY IN WATER:** Complete

**EVAPORATION RATE:** Not Available

**SPECIFIC GRAVITY:** ~ 1.000

#### 10. STABILITY AND REACTIVITY

**STABILITY:** Stable

**POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Sources of ignition (sparks, flame). Excessive heat.

**HAZARDOUS DECOMPOSITION PRODUCTS:** When exposed to fire: Produces normal products of combustion.

**INCOMPATIBLE MATERIALS:** Strong oxidizing materials (e.g. liquid chlorine).

#### 11. TOXICOLOGICAL INFORMATION

##### ACUTE

**DERMAL LD<sub>50</sub>:**

**Notes:** Estimated to be > 5000 mg/kg (rabbit)

**ORAL LD<sub>50</sub>:**

**Notes:** Estimated to be > 5000 mg/kg (rat)

**INHALATION LC<sub>50</sub>:**

**Notes:** Estimated to be greater than 2 mg/L (rats)

##### CARCINOGENICITY

**Notes:** None known.

**SENSITIZATION:** None known.

**REPRODUCTIVE EFFECTS:** None known.

**TERATOGENIC EFFECTS:** None known.

**MUTAGENICITY:** None known.

#### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Not Available

#### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Observe all Federal, Provincial, State and Municipal regulations.

**MATERIAL SAFETY DATA SHEET****WORKING COPY**

Date Issued: 02/29/2008

MSDS No: 350000003777, -3779, -10207, -10231

Revision No: New MSDS

**GLADE® FABRIC & AIR ODOR ELIMINATOR (All fragrances)****14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)****PROPER SHIPPING NAME:** Combustible Liquid, N.O.S.**PRIMARY HAZARD CLASS/DIVISION:** Combustible Liquid**UN/NA NUMBER:** NA 1993**PACKING GROUP:** PG III**NOTE:** S.C. Johnson ships this product as "Non-Regulated" per DOT exception for Combustible Liquids. (49 CFR, 173.150)**AIR (ICAO/IATA)****SHIPPING NAME:** Not Regulated**UN/NA NUMBER:** None**PRIMARY HAZARD CLASS/DIVISION:** Not Regulated**PACKING GROUP:** None**VESSEL (IMO/IMDG)****SHIPPING NAME:** Not Regulated**UN/NA NUMBER:** None**PRIMARY HAZARD CLASS/DIVISION:** Not Regulated**PACKING GROUP:** None**CANADA TRANSPORT OF DANGEROUS GOODS****SHIPPING NAME:** Not Regulated**UN/NA NUMBER:** None**PRIMARY HAZARD CLASS/DIVISION:** Not Regulated**PACKING GROUP:** None**15. REGULATORY INFORMATION****UNITED STATES****TSCA (TOXIC SUBSTANCE CONTROL ACT)****TSCA STATUS:** All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Inventory.

**MATERIAL SAFETY DATA SHEET****WORKING COPY**

Date Issued: 02/29/2008

MSDS No: 35000003777, -3779, -10207, -10231

Revision No: New MSDS

**GLADE® FABRIC & AIR ODOR ELIMINATOR (All fragrances)****STATES WITH SPECIAL REQUIREMENTS**

Chemical Name	Requirements
Triethylene Glycol	112-27-6 is included on the following U.S. State Government Lists: Pennsylvania Right-to-Know Hazardous Substances List
Ethanol	64-17-5 is included on the following U.S. State Government Lists: Massachusetts Right-to-Know Substances List Massachusetts Oil & Hazardous Material List Minnesota Right-to-Know Hazardous Substances List New Jersey Right-to-Know Substances List Pennsylvania Right-to-Know Hazardous Substances List

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

**CANADA**

**WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):** This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**WHMIS CLASS:** D,2B; B,3

**CANADIAN ENVIRONMENTAL PROTECTION ACT:** All ingredients in this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

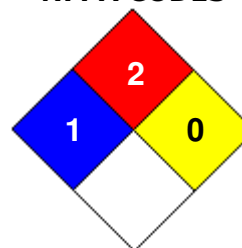
**16. OTHER INFORMATION**

**REASON FOR ISSUE:** New format.

**APPROVED BY:** SCJ Global Safety Assessment & Reg. Affairs

**HMIS RATING**

<b>HEALTH:</b>	1
<b>FLAMMABILITY:</b>	2
<b>PHYSICAL HAZARD:</b>	0
<b>PERSONAL PROTECTION:</b>	

**NFPA CODES**

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**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



**GLADE® SPRAY - APPLE CINNAMON**

Version 1.1

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000013929

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product information**

**Product name** : **GLADE® SPRAY - APPLE CINNAMON**

**Recommended use** : Air Freshener

**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**

Hazard classification	Hazard category	Hazards identification
Gases under pressure	Compressed gas	Contains gas under pressure; may explode if heated.

**Labelling**

**Hazard symbols**

Gas cylinder

**Signal word**

Warning

**Hazard statements**

Contains gas under pressure; may explode if heated.

**Precautionary statements**

Protect from sunlight. Store in a well-ventilated place.

**Other hazards** : None identified

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



**GLADE® SPRAY - APPLE CINNAMON**

Version 1.1

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000013929

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

This product does not contain hazardous chemicals at or above a reportable level as defined by OSHA 29 CFR 1910.1200

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** : Aerosol Product - Containers may rocket or explode in heat of fire.
- Further information** : Fight fire from maximum distance or protected area. Cool and use caution when approaching or handling fire-exposed containers. Wear full protective clothing and positive pressure self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.

---

**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions** : Remove all sources of ignition. Wash thoroughly after handling.
- Environmental precautions** : Outside of normal use, avoid release to the environment.

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



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**Methods and materials for containment and cleaning up** : Sweep up and shovel into suitable containers for disposal. Clean residue from spill site.

**7. HANDLING AND STORAGE**

**Handling**

**Precautions for safe handling** : Avoid contact with skin, eyes and clothing. For personal protection see section 8. Note: Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. For more information visit [www.inhalant.org](http://www.inhalant.org). KEEP OUT OF REACH OF CHILDREN AND PETS.

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

**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.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Form** : aerosol  
Compressed gas

**Color** : yellow

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



**GLADE® SPRAY - APPLE CINNAMON**

Version 1.1

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000013929

- Odor** : pleasant
- Odour Threshold** : No data available
- pH** : 4.8 - 5.3
- Melting point/freezing point** : No data available
- Initial boiling point and boiling range** : No data available
- Flash point** : Not applicable
- Evaporation rate** : No data available
- Flammability (solid, gas)** : Does not sustain combustion.
- Upper/lower flammability or explosive limits** : No data available
- Vapour pressure** : No data available
- Vapour density** : No data available
- Relative density** : No data available
- Solubility(ies)** : dispersible
- Partition coefficient: n-octanol/water** : No data available
- Auto-ignition temperature** : No data available



**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



**GLADE® SPRAY - APPLE CINNAMON**

Version 1.1

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- Decomposition temperature** : No data available
- Viscosity, dynamic** : No data available
- Viscosity, kinematic** : No data available
- Oxidizing properties** : No data available
- Volatile Organic Compounds Total VOC (wt. %)\*** : 0.1 % - additional exemptions may apply  
\*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** : Stable under recommended storage conditions.
- Conditions to avoid** : Direct sources of heat.
- Incompatible materials** : None known.
- Hazardous decomposition products** : Thermal decomposition can lead to release of irritating gases and vapours.

---

**11. TOXICOLOGICAL INFORMATION**

- Emergency Overview** : Warning
- Acute oral toxicity** : LD50  
estimated  
> 5,000 mg/kg

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



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**Acute inhalation toxicity** : LC50  
estimated  
> 2 mg/l

**Acute dermal toxicity** : LD50  
estimated  
> 2,000 mg/kg

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.

**12. ECOLOGICAL INFORMATION**

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

**Toxicity**

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



**GLADE® SPRAY - APPLE CINNAMON**

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

**No environmental data required.**

**Other adverse effects** : None known.

**13. DISPOSAL CONSIDERATIONS**

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

**14. TRANSPORT INFORMATION**

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

	<b>Land transport</b>	<b>Sea transport</b>	<b>Air transport</b>
<b>UN number</b>	1950	1950	1950
<b>UN proper shipping name</b>	UN 1950 AEROSOLS, non-flammable, 2.2	UN 1950 AEROSOLS, non-flammable, 2.2	UN 1950 AEROSOLS, non-flammable, 2.2
<b>Transport hazard class(es)</b>	2.2	2	2.2
<b>Packing group</b>	-	-	-
<b>Environmental hazards</b>	-	-	-
<b>Special precautions for user</b>	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.

**15. REGULATORY INFORMATION**

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



**GLADE® SPRAY - APPLE CINNAMON**

Version 1.1

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000013929

- 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.
- Notification status** : All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).
- 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.

**16. OTHER INFORMATION**

**HMIS Ratings**

<b>Health</b>	1
<b>Flammability</b>	0
<b>Reactivity</b>	0

**NFPA Ratings**

<b>Health</b>	1
<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**

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



**GLADE® SPRAY - APPLE CINNAMON**

Version 1.1

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000013929

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Prepared by	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
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**HYDROGEN PEROXIDE 3% SOLUTION**

Product and Company Identification  
Composition/Information on Ingredients  
Hazards Identification  
First Aid Measures  
Fire Fighting Measures  
Accidental Release Measures  
Handling and Storage  
Exposure Controls/Personal Protection

Physical and Chemical Properties  
Stability and Reactivity  
Toxicological Information  
Ecological Information  
Disposal Considerations  
Transport Information  
Regulatory Information  
Other Information / Hazmat Info / Hazcom Label

**MSDS Safety Information**

TOP

FSC: 6505      NIIN: 00-153-8480      MSDS Date: 07/10/1990      MSDS Num: BGXST

Submitter: D DG      Tech Review: 09/21/1990      Status CD: C

Product **HYDROGEN PEROXIDE 3% SOLUTION**      MFN: 01  
 ID:  
 Article: N      Kit N Part:

Responsible Party      Cage: 0TH10  
 Name: CUMBERLAND-SWAN, INC.

Address: ONE SWAN DRIVE      Box: 129  
 City: SMYRNA      State: TN      Zip: 37167

Country: US  
 Info Phone Number: 615-459-8900

Emergency Phone Number: 615-459-8900

Preparer's Name: JAMES R.BEAVER

Proprietary Ind: N      Review Ind: Y  
 Published: Y      Special Project CD: N

**Contractor Summary**

TOP

Cage:ATD-A      Name:ATD AMERICAN CO. (215-576-1000)

Address:UNKNOWN      State:NK      Zip:00000  
 City:UNKNOWN

Country:NK      Phone:UNKNOWN

Cage:66611 Name:CMC INC. DBA CUMBERLAND MFG CO.

Address:ONE SWAN DRIVE

City:SMYRNA

State:TN

Zip:37167

Country:US

Phone:615-459-8900

Cage:0TH10 Name:CUMBERLAND-SWAN, INC

Address:ONE SWAN DRIVE

City:SMYMA

State:TN

Box:129

Zip:37167

Country:US

Phone:615-459-8900

= Item Description Information =

TOP

Item Manager: S9G

Item Name: HYDROGEN PEROXIDE TOPICAL SOLUTION,USP  
Specification Number: NK Type/Grade/Class: NK

Unit of Issue: BT  
UI Container Qty: 1.000 PT

Quantitative Expression: NK  
Type of Container: BOTTLE

Ingredients

TOP

Cas: 7722-84-1

Code: M

RTECS #: MX0900000 Code: M

Name: HYDROGEN PEROXIDE (SARA III)

% Text: 3

Environmental Wt:  
Other REC Limits: NOT ESTABLISHED

OSHA PEL: 1 PPM

Code: M

OSHA

Code:

STEL:

ACGIH TLV: 1 PPM; 9192

Code: M

ACGIH N/P

Code:

STEL:

EPA Rpt Qty:

DOT Rpt

Qty:

Ozone Depleting Chemical: N

Cas: 7732-18-5

Code: M

RTECS #: ZC0110000 Code: M

Name: WATER

% Text: 97

Environmental Wt:  
Other REC Limits: NOT ESTABLISHED

OSHA PEL: NOT ESTABLISHED	Code: M	OSHA STEL:	Code:
ACGIH TLV: NOT ESTABLISHED	Code: M	ACGIH N/P STEL:	Code:
EPA Rpt Qty:		DOT Rpt Qty:	

Ozone Depleting Chemical: N

Health Hazards Data TOP

LD50 LC50 Mixture LD50 (INH RAT) IS 2000 MG/M3/4H (90%)

Route Of Entry Inds - Inhalation:NO	Skin:NO	Ingestion:NO
Carcinogenicity Inds - NTP:NO	IARC:NO	OSHA:NO

Health Hazards Acute And Chronic

ACUTE: IRRITATING TO THE EYE.

Explanation Of Carcinogenicity

THIS PRODUCT IS NOT LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Signs And Symptoms Of Overexposure

EYE IRRITATION.

Medical Cond Aggravated By Exposure

NONE

First Aid Information TOP

EYES: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. SEE DOCTOR. SKIN: WASH WITH WATER. INHALATION: REMOVE VICTIM TO FRESH AIR. SEE DOCTOR. INGESTION: DRINK PLENTY OF WATER IMMEDIATELY TO DILUTE, BUT DO NOT ATTEMPT T O INDUCE VOMIING. SEEK IMMEDIATE MEDICAL ATTENTION.

Spill Release Procedures TOP

DILUTE WITH LARGE AMOUNTS OF WATER AND IF POSSIBLE, DIRECT SOLUTION TO DIKED AREA AND HOLD UNTIL DECOMPOSED. DISPOSE IN ACCORDANCE WITH LOCAL ENVIRONMENTAL REGULATIONS.

Neutralizing Agent

NOT APPLICABLE.

Waste Disposal Methods TOP

DILUTE WITH LARGE AMOUNTS OF WATER. IF LOCAL REGULATIONS PERMIT, WASH TO SEWER. IF LOCAL REGULATIONS DO NOT PERMIT WASTE TO GO TO SEWER, TREAT AS DIRECTED BY LOCAL AGENCY.

Handling and Storage Precautions TOP



STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

#### Other Precautions

DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID CONTACT WITH EYES. WASH THOROUGHLY AFTER HANDLING.

#### Fire and Explosion Hazard Information

TOP

Flash Point Method: N/P

Flash Point:

Flash Point Text: NONE

Autoignition Temp:

Autoignition Temp Text: NONE

Lower Limits: N/R

Upper Limits: N/R

#### Extinguishing Media

ANY BOTTLE SURROUNDED BY FIRE SHOULD BE FLOODED WITH WATER FOR COOLING.

#### Fire Fighting Procedures

FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRES. USE WATER SPRAY TO COOL NEARBY CONTAINERS.

#### Unusual Fire/Explosion Hazard

DECOMPOSITION RELEASES OXYGEN WHICH MAY INTENSIFY FIRE.

#### Control Measures

TOP

#### Respiratory Protection

NONE NORMALLY REQUIRED. NIOSH APPROVED RESPIRATOR IF EXPOSURE LEVELS ARE EXCEEDED.

#### Ventilation

LOCAL EXHAUST.

#### Protective Gloves

NONE NORMALLY REQUIRED

#### Eye Protection

CHEMICAL SAFETY GOGGLES

#### Other Protective Equipment

EYE WASH STATION.

#### Work Hygienic Practices

OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

#### Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET IN EYES. DO NOT

BREATHE VAPORS OR MISTS.

Physical/Chemical Properties

TOP

HCC: N1

NRC/State LIC No: N/R

Net Prop WT For Ammo: N/R

Boiling Point:

B.P. Text: 214F,101C

Melt/Freeze Pt:

M.P/F.P Text: UNKNOWN

Decomp Temp:

Decomp Text: UNKNOWN

Vapor Pres: 10.1

Vapor Density: UNKNOWN

Volatile Org Content %:

Spec Gravity: 1.0

VOC Pounds/Gallon:

PH: 6

VOC Grams/Liter:

Viscosity: UNKNOWN

Evaporation Rate & <1 (WATER = 1)

Reference:

Solubility in Water: COMPLETE

Appearance and Odor: COLORLESS, ODORLESS LIQUID.

Percent Volatiles by Volume: 100

Corrosion Rate: UNKNOWN

Reactivity Data

TOP

Stability Indicator: YES

Stability Condition To Avoid: EXCESSIVE HEAT

Materials To Avoid: STRONG REDUCING AGENTS, RUST, DIRT,  
ORGANIC MATERIALS WITH A PH ABOVE 4.

Hazardous Decomposition NOT APPLICABLE

Products:

Hazardous Polymerization NO

Indicator:

Conditions To Avoid NOT APPLICABLE

Polymerization:

Toxicological Information

TOP

Toxicological Information: N/P

Ecological Information

TOP

Ecological: N/P

MSDS Transport Information

TOP

Transport Information: N/P

Regulatory Information

TOP

Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information

TOP

Other N/P Information:

HMIS Transportation Information

TOP

Responsible Party Cage: 0TH10

Trans ID NO: 51733

Product ID: HYDROGEN PEROXIDE 3% SOLUTION

MSDS Prepared Date: 07/10/1990

Review Date: 09/11/1996

MFN: 1

Submitter: D DG

Status C

CD:

Article W/O MSDS: N

Radioactivity: N/R

Tech Entry NOS Shipping Nm:

Form:

Net Explosive Weight: N/R

Coast Guard AMMO Code: N/R

Magnetism: N/P

Net Unit Weight: 1.0

POUND

AF MMAC Code:

DOD Exemption NUM: N/R

Limited Quantity IND:

Multiple KIT Number: 0

Kit Part IND: N

Kit IND: N

Review IND: Y

Unit Of Issue: BT

Type Of Container: BOTTLE

Container QTY: 1.000 PT

Additional Data: 3% SOLUTION OF HYDROGEN PEROXIDE,  
STABILIZED.

Detail DOT Information

TOP

DOT PSN Code: ZZZ

Symbols: N/R

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

DOT PSN Modifier:

Hazard Class: N/R

UN ID Num: N/R

DOT Packaging Group: N/R

Label: N/R  
Special Provision: N/R  
Packaging Exception: N/R

Non Bulk Pack: N/R  
Max Qty Pass: N/R

Bulk Pack: N/R  
Max Qty N/R  
Cargo:

Vessel Stow Req: N/R  
Water/Ship/Other Req: N/R

Detail IMO Information

[TOP](#)

IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION  
IMO PSN Modifier:

IMDG Page Number: N/R  
UN Hazard Class: N/R

UN Number: N/R  
IMO Packaging Group: N/R

Subsidiary Risk Label: N/R  
EMS Number: N/R

MED First Aid Guide NUM: N/R

Detail IATA Information

[TOP](#)

IATA PSN Code: ZZZ

IATA UN ID NUM: N/R

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

IATA PSN Modifier:

IATA UN Class: N/R

Subsidiary Risk N/R  
Class:

IATA Label: N/R  
UN Packing Group: N/R

Packing Note Passenger: N/R

Max Quant Pass: N/R  
Packaging Note Cargo: N/R

Max Quant Cargo: N/R  
Exceptions: N/R

Detail AFI Information

[TOP](#)

AFI PSN Code: ZZZ

AFI Symbols:

AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
AFI PSN Modifier:

AFI Hazard Class: N/R  
AFI Packing Group: N/R

AFI UN ID NUM: N/R

AFI Label: N/R

Special Provisions: N/A

Back Pack Reference: N/A

HMIS HAZCOM Label

TOP

Product ID: HYDROGEN PEROXIDE 3% SOLUTION

Cage: 0TH10

Assigned IND: N

Company CUMBERLAND-SWAN, INC

Name:

Street: ONE SWAN DRIVE

PO Box: 129

City: SMYMA

State: TN

Zipcode: 37167

Country: US

Health Emergency Phone: 615-459-8900

Label Required IND: N

Date Of Label Review: 09/11/1996

Status Code: C

MFG Label NO: N/R

Label Date: 09/11/1996

Year Procured: 1990

Origination Code: F

Chronic Hazard IND: N

Eye Protection IND: YES

Skin Protection IND: N/P

Signal Word: CAUTION

Respiratory Protection IND: N/P

Health Hazard: None

Contact Hazard: None

Fire Hazard: None

Reactivity Hazard: Slight

**Hazard And Precautions**

N/P

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*This information is derived from the Hazardous Material Information System which is utilized by the U.S. Department of Defense. IntraWEB, LLC and its Distributors in no manner whatsoever, expressly or implied warrants, states, or intends said information to have any application use or viability by or to any person or persons. Any person utilizing this information should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.*

**MATERIAL SAFETY DATA SHEET**

**MSDS # 56301**

**Section One: Identification**

Newell Rubbermaid, Inc. (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 Products; Smooth Coverage, 2-in-1, Pen&Ink, Fast Dry, PMOP, Ledger Colors, Stock Colors.

Colors: White, Buff, Green, Pink, Blue, Ivory, Yellow.

**Section Two: Hazard Identification**

**WARNING! FLAMMABLE.** Do not use or store near heat or flame. **IRRITANT.** May cause skin or eye irritation. May cause allergic reaction. **VAPOR HARMFUL.** May be harmful by inhalation or ingestion. Do not ingest. Use only with proper ventilation. **KEEP OUT OF REACH OF CHILDREN.**

**Section Three: Composition**

Solvent: Naphtha(petroleum), hydrotreated light (64742-49-0)  
Naphtha(petroleum), heavy alkylate (64741-65-7)  
Additives: Titanium Dioxide (13563-67-7)  
Resin  
Surfactant  
Pigments  
Fragrance

**Section Four: First Aid Measures**

Inhalation: If symptoms occur remove person(s) to fresh air. If symptoms persist seek medical attention.  
Skin Contact: Wash with soap and water for at least 15 min. If irritation persists seek medical attention.  
Eye Contact: Wash thoroughly with water for at least 15 min. If irritation persists seek medical attention.  
Ingestion: DO NOT induce vomiting. Contact a physician or poison control center immediately. Do not give anything by mouth unless directed to do so by a physician. **NOTE TO PHYSICIAN:** Contains solvent naphtha which may cause chemical pneumonitis.

**Section Five: Fire Fighting Measures**

Flash Point: > 10<sup>0</sup> F  
Flammability Limits (% by volume): N/A  
Extinguishing Media: Dry chemical, foam, carbon dioxide.  
Special Fire Fighting Measures: **In Small quantities:** Treat as appropriate for surroundings.  
Hazardous Combustion Products: Acrid smoke/fumes. Oxides of Carbon, Nitrogen.

**Section Six: Accidental Release Measures**

In Case of Spill or Accidental Release: Take up with absorbent non-combustable material.

**Section Seven: Handling and Storage**

Handling: Do not use near heat or flame. Replace cap after use. Avoid contact with skin. Use only in well ventilated area.  
Storage: Do not store near heat or other sources of ignition. In large quantities, store in a well-ventilated area.

**Section Eight: Exposure Controls and Personal Protection**

Eye Protection: None under normal use conditions.

**MATERIAL SAFETY DATA SHEET**

**MSDS # 56301**

Clothing: None under normal use conditions.  
Respirator: None under normal use conditions.

**Section Nine: Physical and Chemical Properties**

Boiling Point: >95 ° F  
Specific Gravity: N/A  
Vapor Pressure: N/A  
Solubility in Water: N/A  
Evaporation Rate: N/A  
Appearance/Odor: Viscous liquid / Paraffinic

**Section Ten: Stability and Reactivity**

Stability: Normally stable  
Conditions to Avoid: Avoid exposure to heat, flame or other sources of ignition. Avoid contact with strong acids or oxidizers.  
Hazardous Polymerization: N/A

**Section Eleven: Toxicological Information**

See Section Two: Hazard Identification for any hazards

**Section Twelve: Ecological Information**

Not available

**Section Thirteen: Disposal Considerations**

Dispose of in accordance with all Federal, State, and Local Regulations.

**Section Fourteen: Transport Information**

DOT: ORM-D Consumer Commodity  
IATA: Not Available  
IMDG: Not Available

**Section Fifteen: Regulatory Information**

United States: All components in this product are listed on or exempt from reporting under the Federal Toxic Substances Control Act (TSCA).

**Section Sixteen: Other Information**

HMIS Code	
Health	2
Flammability	3
Reactivity	0
Personal Protection	N/A

0=Minimal / 4 = Severe

NewellRubbermaid, Inc 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 Sanford 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.

**PURELL® Hand Sanitizer**

Version	Revision Date:	MSDS Number:	Date of last issue: 02/10/2015
1.2	03/19/2015	46955-00003	Date of first issue: 01/13/2015

---

**SECTION 1. IDENTIFICATION**

Product name : PURELL® Hand Sanitizer

**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.



## PURELL® Hand Sanitizer

Version 1.2      Revision Date: 03/19/2015      MSDS Number: 46955-00003      Date of last issue: 02/10/2015  
 Date of first issue: 01/13/2015

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.

**PURELL® Hand Sanitizer**

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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.

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**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.

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**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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## PURELL® Hand Sanitizer

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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.

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### 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

## PURELL® Hand Sanitizer

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 Date of first issue: 01/13/2015

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

**PURELL® Hand Sanitizer**

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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, Colorless to pale yellow
Odor	: citrus
Odor Threshold	: No data available
pH	: 6.0 - 9.2
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available

**PURELL® Hand Sanitizer**

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Flash point	:	25 °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	:	0.89 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	:	1,000 - 35,000 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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**SECTION 11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

Inhalation  
Skin contact  
Ingestion  
Eye contact

**Acute toxicity**

Not classified based on available information.

**Product:**

Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

**Ingredients:****Ethanol:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
  
Acute inhalation toxicity : LC50 (Rat): 124.7 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor

**Propan-2-ol:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
  
Acute inhalation toxicity : LC50 (Rat): 72.6 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor  
  
Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg

**Skin corrosion/irritation**

Not classified based on available information.

**Product:**

Result: No skin irritation

**Ingredients:****Ethanol:**

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: No skin irritation

**Propan-2-ol:**

Species: Rabbit  
Result: No skin irritation

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Ingredients:**

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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.

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**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.

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**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

**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	3.013 %
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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:**

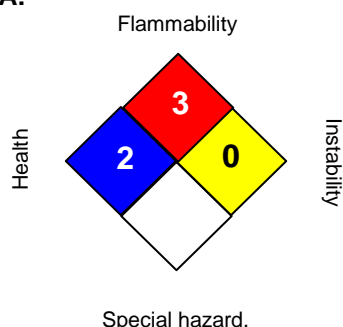
AICS : All ingredients listed or exempt.

**Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECl (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (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 : 03/19/2015

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



## MATERIAL SAFETY DATA SHEET

**IN CASE OF EMERGENCY CALL CHEMTREC AT 1-800-424-9300**

**1. PRODUCT IDENTIFICATION AND COMPANY IDENTIFICATION:**

Product Name: **PURELL® Instant Hand Sanitizer Foam**

Company Name & Address: GOJO Industries, Inc.  
 One GOJO Plaza, Suite 500  
 Akron, OH 44311

**Emergency Phone: 1-800-424-9300 CHEMTREC**

Non-Emergency Phone: (330) 255-6000

MSDS Request Phone: (330) 255-6000 x8804

**2. INFORMATION ON INGREDIENTS:**

HAZARDOUS INGREDIENTS	CAS NUMBER	OSHA PEL	ACGIH TLV	% RANGE
Ethyl Alcohol	64-17-5	1000 ppm	1000 ppm	62% v/v
Isopropanol	67-63-0	400 ppm	200 ppm	< 5

Other ingredient(s) with notification requirements:	CAS NUMBER	List
Ethyl Alcohol	64-17-5	MA 1; NJ 1S; PA 1; CN 2
Isopropanol	67-63-0	MA 1; NJ 1S; PA; CN 1

**3. HAZARDS IDENTIFICATION:**

**EMERGENCY OVERVIEW**

When used according to instructions, the product applicable to this MSDS is safe and presents no immediate or long-term health hazard. However, abnormal entry routes, such as gross ingestion, may require immediate medical attention.

**Potential Health Effects:**

HMIS: Health 2 Flammability 3 Reactivity 0 Personal Protection None

Eye Contact: May cause eye irritation.  
 Skin Contact: No irritation or reaction expected.  
 Inhalation: Not an expected route of exposure  
 Ingestion: May cause upset stomach, nausea (Abnormal entry route).  
 Carcinogenicity: Not listed as a carcinogen by NTP, IARC, OSHA or ACGIH.

**4. FIRST AID MEASURES:**

Eye Contact: Do not rub eyes. Flush eyes thoroughly with water for 15 minutes. If condition worsens or irritation persists, contact physician.  
 Skin Contact: In the case of allergic reaction, see a physician.  
 Inhalation: Move to fresh air  
 Ingestion: Do not induce vomiting. Contact a physician or Poison Control Center.

**5. FIRE FIGHTING MEASURES:**NFPA: Health   2   Fire   3   Reactivity   0  

Flashpoint °F/°C (PMCC method): 77.9°F/25.5°C

Unusual Fire and Explosion Hazards: Product is flammable due to alcohol content.

Special Fire Fighting Procedures: None known.

Extinguishing Media:   X   Water Fog   X   Alcohol Foam   X   CO<sub>2</sub>   X   Dry Chemical      Other**6. ACCIDENTAL RELEASE MEASURES:**

Avoid contact with ignition sources since product is flammable. Absorb onto inert material and dispose in appropriate manner. Water clean up and rinse. CAUTION – WILL CAUSE SLIPPERY SURFACES.

**7. HANDLING AND STORAGE:**

Keep away from fire or flame. Store at normal room temperature away from reach of small children. Keep containers sealed. Use older containers first. Avoid freezing conditions.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION:**

Eye Protection: None required under normal conditions.

Skin Protection: None required under normal conditions.

Respiratory Protection: None required under normal conditions.

Ventilation: None required under normal conditions.

Protective Equipment or Clothing: None required under normal conditions.

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

Appearance and Odor Clear liquid, fruity fragrance

pH (undiluted): 5.5 - 9.0

VOC , %: &lt; 65%

**10. STABILITY AND REACTIVITY:**

Stable/Non reactive product. Avoid ignition sources.

**11. TOXICOLOGICAL INFORMATION:**

No acute or chronic toxic effects expected when used according to directions.

**12. ECOLOGICAL CONSIDERATIONS:**

No ecological or special considerations when used according to directions. Not considered environmentally harmful from normal dilution, expected usage and typical drainage to sewers, septic systems and treatment plants.

**13. DISPOSAL CONSIDERATIONS:**

Characteristic hazardous waste-flammable liquid. Dispose according to local, state and Federal regulations.

**14. TRANSPORT INFORMATION:**

Hazardous by transport regulations. When transported by ground modes in the U.S., this product is typically shipped as Consumer Commodity ORM-D. When transported by water, this product is typically shipped as a UN1170 in Limited Quantities. Refer to all current transport regulations for exact requirements.

**15. REGULATORY AND OTHER INFORMATION:**

TSCA: All ingredients are listed or exempt per reference 15 USC 2602 (2)(B)(vi).

Complies with current FDA regulations for cosmetic and/or over-the-counter drug products.

This formula meets the FDA Food Code Hand Antiseptics (Sanitizers) criteria (Section 2-301.16).

WHMIS: Exempt under the Food and Drug Act

Notice: The information herein is based on data considered to be accurate as of the date of preparation of this material safety data sheet. However, no warranty or representation, expressed or implied, is made as to the accuracy or completeness of the foregoing data and safety information. The user assumes all liability for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.