

# Safety Data Sheets

Juvenile Probation



RSC, Sierra Vista

11/26/2019



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### Binder: RSC, Sierra Vista - Juvenile Probation

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Product: 320971 WAXIE EDGE-OFF 20 OZ AEROSOL  
Emergency Phone # (800) 255-3924

Effective : 06/19/02  
Supersedes: 03/16/99  
SDBSN

\*\*\* MATERIAL SAFETY DATA SHEET \*\*\*

\*\*\* SECTION I-PRODUCT IDENTIFICATION \*\*\*

***** MANUFACTURER *****	***** DISTRIBUTED BY *****
AMREP INC.	WAXIE SANITARY SUPPLY
990 INDUSTRIAL PARK DRIVE	Corporate Headquarters
	9353 Waxie Way
MARIETTA, GA 30062	San Diego, CA 92123
(800) 241-7766	(858) 292-8111
	Tom Seaton
	Director of Product Management

HAZARD RATING	HMIS	NFPA
Health	: 2 Moderate	2 Moderate
Flammability	: 1 Slight	1 Slight
Reactivity	: 0 Insignificant	0 Insignificant

\*\*\* SECTION II-HAZARDOUS INGREDIENTS/IDENTITY INFORMATION \*\*\*

CAS #	INGREDIENTS	WEIGHT %
111-76-2	{SARA,PA,NJ,MA} 2-Butoxyethanol (EGBE)	
	EXPOSURE LIMIT : OSHA PEL - 25 ppm.	
	: OSHA STEL - 120mg/m3/SKIN.	
	: ACGIH TLV - 25 ppm.	
	: ACGIH STEL - 121mg/m3/SKIN	
141-43-5	{PA,MA,NJ} Ethanolamine	
	EXPOSURE LIMIT : 3ppm TWA ACGIH; 6ppm STEL	
	: ACGIH; 3ppm TWA OSHA;	
	: 6ppm STEL OSHA	
75-28-5	{PA,NJ,MA} Isobutane	
	EXPOSURE LIMIT : 800 ppm OSHA PEL	
	: 800 ppm ACGIH TLV	

\*\*\* SECTION III-PHYSICAL DATA \*\*\*

APPEARANCE/ODOR.....: Gelled spray with mint and amine fragrance

SPECIFIC GRAVITY.....: (H2O=1): Concentrate Only = 0.990

VAPOR PRESSURE - (mm Hg).....: PSIG @ 70 degrees F (Aerosol): Max. 60

PERCENT VOLATILE BY VOLUME (%)....: No data available.

SOLUBILITY IN WATER.....: Soluble

VAPOR DENSITY (Air=1).....: Not Established

FREEZING POINT (\*F).....: No data available.

BOILING POINT (\*F).....: Not Applicable

ph.....: No data available.

EVAPORATION RATE (Butyl Acetate=1): Not Established

VOC.....: No data available.

THEORETICAL VOC (lb/gal).....: No data available.

\*\*\* SECTION IV-FIRE AND EXPLOSION INFORMATION \*\*\*

FLASH POINT (\*F) (Method Used):  
Not Applicable

FLAMMABLE LIMITS:  
Not Established

EXTINGUISHING MEDIA:

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\*\*\* SECTION IV-FIRE AND EXPLOSION INFORMATION \*\*\*

Foam, Dry Chemical, Carbon Dioxide, Water.

SPECIAL FIREFIGHTING PROCEDURES:

Self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Do not expose aerosols to temperatures above 130 degrees F or the container may rupture.

\*\*\* SECTION V-HEALTH HAZARD DATA \*\*\*

PRIMARY ROUTE OF ENTRY:

Inhalation, Skin Absorption

SIGNS AND SYMPTOMS:

INHALATION: Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects and possible unconsciousness. EYE CONTACT: Irritation. SKIN CONTACT: Irritation  
INGESTION: Possible chemical pneumonitis if aspirated into lungs, nausea.

FIRST AID PROCEDURES:

EYE CONTACT: Flush with water for 15 minutes, followed by a 1% saline solution. If irritated, seek medical attention.

SKIN CONTACT: Wash with soap and water. If irritated, seek medical attention.

INHALATION: Remove to fresh air. Resuscitate if necessary. Get medical attention.

INGESTION: DO NOT INDUCE VOMITING. Drink two large glasses of water. Get immediate medical attention.

MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE:

May aggravate existing eye, skin or upper respiratory conditions.

\*\*\* SECTION VI-REACTIVITY DATA \*\*\*

STABILITY:

Stable.

STABILITY-CONDITIONS TO AVOID:

Open flame, welding arcs, heat.

INCOMPATIBILITY:

Strong organic acids, strong mineral acids, alkaline metals & copper

HAZARDOUS DECOMPOSITION PRODUCTS:

CO, CO2, Nitrogen compounds.

HAZARDOUS POLYMERIZATION:

Will Not Occur.

HAZARDOUS POLYMERIZATION-CONDITIONS TO AVOID:

No data available.

\*\*\* SECTION VII-SPILL OR LEAK PROCEDURES \*\*\*

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Absorb with suitable medium. Incinerate or landfill according to local, state, or federal regulations. Flush small spills to sewer.

WASTE DISPOSAL INFORMATION:

Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.

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\*\*\* SECTION VII-SPILL OR LEAK PROCEDURES \*\*\*

\*\*\* SECTION VIII-SPECIAL PROTECTION INFORMATION \*\*\*

RESPIRATORY PROTECTION:

If vapor concentration exceeds TLV, use respirator approved by NIOSH for organic vapors.

VENTILATION:

Adequate ventilation to keep vapor concentration below TLV.

PROTECTIVE GLOVES:

Rubber gloves recommended.

EYE PROTECTION:

Safety glasses recommended.

OTHER PROTECTIVE MEASURES:

Wash with soap and water before handling food. Remove contaminated clothing.

\*\*\* SECTION IX-SPECIAL PRECAUTIONS \*\*\*

PRECAUTIONARY LABELING:

KEEP OUT OF REACH OF CHILDREN. Avoid food contamination. Avoid breathing vapors.

OTHER HANDLING AND STORAGE CONDITIONS:

Do not puncture or incinerate containers. Do not store at temperatures above 130 degrees F.

\*\*\* SECTION X-ADDITIONAL INFORMATION \*\*\*

ADDITIONAL INFORMATION:

CHRONIC EFFECTS: (Effects due to excessive exposure to the raw materials of this mixture) May cause nasal & respiratory irritation, diarrhea, vomiting. Lab animals have experienced anemia, liver, kidney lung, blood damage due to 2-Butoxyethanol.

\*

SARA III List: 2-Butoxyethanol.

Carcinogen Reference Source: Not listed.

\*

EXPOSURE LIMITS	OSHA PEL (ppm)	ACGIH TLV (ppm)
Monoethanolamine	3	3
Isobutane	800	800
2-Butoxyethanol	25 (skin)	20 (skin)

\*

Auto Ignition Temperature: Not established.

\*\*\* SECTION XI-TRANSPORTATION INFORMATION \*\*\*

DOT CLASS:

ORM-D

DOT #:

No data available.

SHIPPING NAME:

No data available.

DOT NOTES:

No data available.

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\*\*\* SECTION XI-TRANSPORTATION INFORMATION \*\*\*

\*\*\* SECTION XII-REGULATORY INFORMATION \*\*\*

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## Material Safety Data Sheet

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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** 3M™ SPEED STRIPPER Ready-to-Use (Product No. 6, Twist 'n Fill™ System)  
**MANUFACTURER:** 3M  
**DIVISION:** Building & Commercial Services Division  
**ADDRESS:** 3M Center, St. Paul, MN 55144-1000

**EMERGENCY PHONE: 1-800-364-3577 or (651) 737-6501 (24 hours)**

**Issue Date:** 09/08/11  
**Supersedes Date:** 06/10/08

**Document Group:** 11-9288-9

**Product Use:**

Intended Use: Hard Floor Maintenance

### SECTION 2: INGREDIENTS

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>% by Wt</u>
WATER	7732-18-5	> 90
BENZYL ALCOHOL	100-51-6	1 - 5
ETHANOLAMINE	141-43-5	1 - 5
CAPRYLIC ACID	124-07-2	0.5 - 1.5
CAPRIC ACID	334-48-5	0.5 - 1.5
POLYETHYLENE GLYCOL TRIMETHYLNONYL ETHER	60828-78-6	< 0.5

### SECTION 3: HAZARDS IDENTIFICATION

#### 3.1 EMERGENCY OVERVIEW

**Specific Physical Form:** Liquid

**Odor, Color, Grade:** Light blue color; mild fragrance

**General Physical Form:** Liquid

**Immediate health, physical, and environmental hazards:** May cause target organ effects.

#### 3.2 POTENTIAL HEALTH EFFECTS



**Eye Contact:**

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

**Skin Contact:**

Moderate Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness.

**Inhalation:**

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

May be absorbed following inhalation and cause target organ effects.

**Ingestion:**

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

May be absorbed following ingestion and cause target organ effects.

**Target Organ Effects:**

Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

Prolonged or repeated exposure may cause:

Liver Effects: Signs/symptoms may include loss of appetite, weight loss, fatigue, weakness, abdominal tenderness and jaundice.

Kidney/Bladder Effects: Signs/symptoms may include changes in urine production, abdominal or lower back pain, increased protein in urine, increased blood urea nitrogen (BUN), blood in urine, and painful urination.

### 3.3 POTENTIAL ENVIRONMENTAL EFFECTS

A 3M Product Environmental Data Sheet (PED) is available.

A conservative assessment of this product indicates that its use and proper disposal are likely to present a low environmental risk. Potential use and misuse are unlikely to cause components to enter the environment in quantities or by routes that could cause adverse environmental impacts.

## SECTION 4: FIRST AID MEASURES

### 4.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

**Eye Contact:** Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

**Skin Contact:** Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

**Inhalation:** Remove person to fresh air. If signs/symptoms develop, get medical attention.

**If Swallowed:** Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

## SECTION 5: FIRE FIGHTING MEASURES

### 5.1 FLAMMABLE PROPERTIES

**Flash Point** > 220 °F [*Test Method:* Tagliabue Closed Cup]

**OSHA Flammability Classification:** Class IIIB Combustible Liquid

## 5.2 EXTINGUISHING MEDIA

Ordinary combustible material. Use fire extinguishers with class A extinguishing agents (e.g., water, foam).

## 5.3 PROTECTION OF FIRE FIGHTERS

**Special Fire Fighting Procedures:** Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

**Unusual Fire and Explosion Hazards:** Non-flammable: ordinary combustible material.

**Note: See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.**

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

#### 6.2. Environmental precautions

Dispose of collected material as soon as possible.

#### Clean-up methods

Observe precautions from other sections. Call 3M- HELPS line (1-800-364-3577) for more information on handling and managing the spill. Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the spilled material as possible. Clean up residue with water.

Observe precautions from other sections.

**In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.**

## SECTION 7: HANDLING AND STORAGE

### 7.1 HANDLING

Keep out of the reach of children. Avoid breathing of vapors, mists or spray. Avoid skin contact. Avoid eye contact. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. NOTE: The above precautionary information presumes that this ready-to-use product has been diluted and dispensed from a TWIST 'n FILL(TM) Chemical Dispenser.

### 7.2 STORAGE

Store under normal warehouse conditions.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 ENGINEERING CONTROLS

Use in a well-ventilated area.

## 8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

### 8.2.1 Eye/Face Protection

Avoid eye contact with vapors, mists, or spray. NOTE: When used as directed and diluted and dispensed with a TWIST 'n FILL(TM) Chemical Dispenser, eye contact with the concentrate is not expected to occur.

Wear Safety glasses with side shields or Indirect Vented Goggles when eye contact is possible due to splashing, spraying, or misting of material.

### 8.2.2 Skin Protection

Avoid skin contact.

If prolonged or repeated skin contact is expected, select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

Gloves made from the following material(s) are recommended: Butyl Rubber, Neoprene, and Nitrile Rubber.

### 8.2.3 Respiratory Protection

Avoid breathing of vapors, mists or spray. Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

### 8.2.4 Prevention of Swallowing

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

## 8.3 EXPOSURE GUIDELINES

<u>Ingredient</u>	<u>Authority</u>	<u>Type</u>	<u>Limit</u>	<u>Additional Information</u>
BENZYL ALCOHOL	AIHA	TWA	44 mg/m <sup>3</sup>	
ETHANOLAMINE	ACGIH	TWA	3 ppm	
ETHANOLAMINE	ACGIH	STEL	6 ppm	
ETHANOLAMINE	OSHA	TWA	6 mg/m <sup>3</sup>	
POLYETHYLENE GLYCOLS	AIHA	TWA, as particulate	10 mg/m <sup>3</sup>	

#### SOURCE OF EXPOSURE LIMIT DATA:

ACGIH: American Conference of Governmental Industrial Hygienists

CMRG: Chemical Manufacturer Recommended Guideline

OSHA: Occupational Safety and Health Administration

AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Specific Physical Form:</b>	Liquid
<b>Odor, Color, Grade:</b>	Light blue color; mild fragrance
<b>General Physical Form:</b>	Liquid
<b>Flash Point</b>	> 220 °F [ <i>Test Method: Tagliabue Closed Cup</i> ]
<b>Boiling Point</b>	> 212 °F
<b>Density</b>	1 [ <i>Ref Std: WATER=1</i> ]
<b>Vapor Density</b>	> 1 [ <i>Ref Std: AIR=1</i> ]

Specific Gravity	1 [Ref Std: WATER=1]
pH	9.5 - 10.5
Solubility in Water	Complete
Evaporation rate	> 1 [Ref Std: WATER=1]
Volatile Organic Compounds	1 - 5 % [Test Method: calculated per CARB title 2]
VOC Less H2O & Exempt Solvents	600 - 900 g/l [Test Method: calculated per CARB title 2]
Viscosity	< 100 centipoise [Test Method: Brookfield]

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable.

### Materials and Conditions to Avoid:

#### 10.1 Conditions to avoid

None known

#### 10.2 Materials to avoid

None known

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

### Hazardous Decomposition or By-Products

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

## SECTION 11: TOXICOLOGICAL INFORMATION

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

## SECTION 12: ECOLOGICAL INFORMATION

### ECOTOXICOLOGICAL INFORMATION

A 3M Product Environmental Data Sheet (PED) is available.

### CHEMICAL FATE INFORMATION

A 3M Product Environmental Data Sheet (PED) is available.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Discharge spent solutions and small quantities (less than 5 gal.(19 L)) to a wastewater treatment system. As a disposal alternative, dispose of waste product in a facility permitted to accept chemical waste.

EPA Hazardous Waste Number (RCRA): Not regulated

Since regulations vary, consult applicable regulations or authorities before disposal.

## SECTION 14: TRANSPORT INFORMATION

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

## SECTION 15: REGULATORY INFORMATION

### US FEDERAL REGULATIONS

#### 311/312 Hazard Categories:

Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - Yes

### STATE REGULATIONS

### CHEMICAL INVENTORIES

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

All applicable chemical ingredients in this material are listed on the European Inventory of Existing Chemical Substances (EINECS), or are exempt polymers whose monomers are listed on EINECS. The components of this product are listed on the Australian Inventory of Chemical Substances.

All the components of this product are listed on China's Inventory of Chemical Substances.

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

The components of this product are listed on the Canadian Domestic Substances List.

### INTERNATIONAL REGULATIONS

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

## SECTION 16: OTHER INFORMATION

### NFPA Hazard Classification

Health: 2 Flammability: 1 Reactivity: 0 Special Hazards: None

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

### HMIS Hazard Classification

Health: 2 Flammability: 1 Reactivity: 0 Protection: X - See PPE section.

Hazardous Material Identification System (HMIS®) hazard ratings are designed to inform employees of chemical hazards in the workplace. These ratings are based on the inherent properties of the material under expected conditions of normal use and are not intended for use in emergency situations. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint and Coatings

Association (NPCA).

Revision Changes:

Section 1: Product name was modified.  
Section 1: Product use information was modified.  
Section 16: Disclaimer (second paragraph) was modified.  
Section 10: Hazardous decomposition or by-products table was modified.  
Section 14: Transportation legal text was modified.  
Section 16: HMIS explanation was modified.  
Page Heading: Product name was modified.  
Section 15: Inventories information was modified.  
Section 9: Density information was modified.  
Section 9: Vapor density value was modified.  
Section 9: Boiling point information was modified.  
Section 5: Flash point information was modified.  
Section 9: Property description for optional properties was modified.  
Section 9: Specific gravity information was modified.  
Section 9: pH information was modified.  
Section 9: Solubility in water text was modified.  
Section 9: Flash point information was modified.  
Section 2: Ingredient table was modified.  
Section 8: Exposure guidelines ingredient information was modified.  
Section 6: 6.2. Environmental precautions heading was added.  
Section 6: 6.1. Personal precautions, protective equipment and emergency procedures heading was added.  
Section 10.1 Conditions to avoid heading was added.  
Section 10.2 Materials to avoid heading was added.  
Section 16: Web address was added.  
Section 6: Environmental procedures information was added.  
Section 6: Methods for cleaning up information was added.  
Section 10: Materials to avoid physical property was added.  
Section 10: Conditions to avoid physical property was added.  
Section 1: Address was added.  
Copyright was added.  
Company logo was added.  
Section 6: Clean-up methods heading was added.  
Telephone header was added.  
Company Telephone was added.  
Section 1: Emergency phone information was added.  
Section 1: Emergency phone information was deleted.  
Company Logo was deleted.  
Copyright was deleted.  
Section 16: Web address heading was deleted.  
Section 6: Release measures information was deleted.  
Section 6: Release measures heading was deleted.  
Section 10: Materials and conditions to avoid physical property was deleted.  
Section 1: Address line 1 was deleted.  
Section 1: Address line 2 was deleted.

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**3M USA MSDSs are available at [www.3M.com](http://www.3M.com)**

Product: 870130 WAXIE GEM QTS NON-ACID WASHROOM CLEANER Effective : 08/09/00  
 Emergency Phone # (800) 255-3924 Supersedes: 08/17/98  
 SDRDH

\*\*\* MATERIAL SAFETY DATA SHEET \*\*\*

\*\*\* SECTION I-PRODUCT IDENTIFICATION \*\*\*

***** MANUFACTURER *****	***** DISTRIBUTED BY *****
GENLABS	WAXIE SANITARY SUPPLY
PO BOX 1697	Corporate Headquarters
	9353 Waxie Way
CHINO, CA 91708-/10	San Diego, CA 92123
(909) 591-8451	(858) 292-8111
	Tom Seaton
	Director of Product Management

HAZARD RATING	HMIS	NFPA
Health	: not available	0 Insignificant
Flammability	: not available	0 Insignificant
Reactivity	: not available	0 Insignificant

\*\*\* SECTION II-HAZARDOUS INGREDIENTS/IDENTITY INFORMATION \*\*\*

CAS #	INGREDIENTS	WEIGHT %
NONE	NONE	

EXPOSURE LIMIT : Not established

\*\*\* SECTION III-PHYSICAL DATA \*\*\*

APPEARANCE/ODOR.....: Green, mint odor  
 SPECIFIC GRAVITY.....: 1.051  
 VAPOR PRESSURE - (mm Hg).....: Not Tested  
 PERCENT VOLATILE BY VOLUME (%).....:  
 SOLUBILITY IN WATER.....: 100%  
 VAPOR DENSITY (Air=1).....: Not Tested  
 FREEZING POINT (\*F).....:  
 BOILING POINT (\*F).....: >212 deg F  
 ph.....: 9.0 - 10.5  
 EVAPORATION RATE (Butyl Acetate=1): Not Tested  
 VOC.....: <10 g/L  
 THEORETICAL VOC (lb/gal).....:

\*\*\* SECTION IV-FIRE AND EXPLOSION INFORMATION \*\*\*

FLASH POINT (\*F) (Method Used):  
 None  
 FLAMMABLE LIMITS:  
 Not Tested. LEL / UEL: None  
 EXTINGUISHING MEDIA:  
 None  
 SPECIAL FIREFIGHTING PROCEDURES:  
 None  
 UNUSUAL FIRE AND EXPLOSION HAZARDS:  
 None

\*\*\* SECTION V-HEALTH HAZARD DATA \*\*\*

PRIMARY ROUTE OF ENTRY:  
 Inhalation, Skin, Ingestion.  
 SIGNS AND SYMPTOMS:  
 EYES: Burning Sensation.



Product: 870130 WAXIE GEM QTS NON-ACID WASHROOM CLEANER Effective : 08/09/00  
Emergency Phone # (800) 255-3924 Supersedes: 08/17/98  
SDRDH

\*\*\* MATERIAL SAFETY DATA SHEET \*\*\*

\*\*\* SECTION V-HEALTH HAZARD DATA \*\*\*

SKIN: Not expected to be a problem  
INGESTION: Nausea  
INHALATION: Not expected to be a problem.

FIRST AID PROCEDURES:

Eyes: Flush with water for 15 minutes. If irritation persists, call physician.  
Skin: Wash off with soap and water.  
Ingestion: Drink Large amounts of water, Call Physician.  
Inhalation: See above.

MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE:

Same as signs and symptoms of over exposue.

\*\*\* SECTION VI-REACTIVITY DATA \*\*\*

STABILITY:

Stable

STABILITY-CONDITIONS TO AVOID:

None

INCOMPATIBILITY:

Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS:

CO, CO2

HAZARDOUS POLYMERIZATION:

None

HAZARDOUS POLYMERIZATION-CONDITIONS TO AVOID:

None

\*\*\* SECTION VII-SPILL OR LEAK PROCEDURES \*\*\*

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Soak up with inert, absorbant material. Scoop up and place in a proper waste disposal container.

WASTE DISPOSAL INFORMATION:

Dispose of in accordance with state and local regulations.

\*\*\* SECTION VIII-SPECIAL PROTECTION INFORMATION \*\*\*

RESPIRATORY PROTECTION:

Open all doors and windows. Exposures above the TLV or PEL require a NIOSH approved respirator equipped fpr the exposure or suitable respiratory protection per 29 CFR 1910.134 is required.

VENTILATION:

Local exhaust - If available  
Mechanical - If available  
Special - None  
Other - None

PROTECTIVE GLOVES:

None

EYE PROTECTION:

Glasses/Goggles

OTHER PROTECTIVE MEASURES:

None

Product: 870130 WAXIE GEM QTS NON-ACID WASHROOM CLEANER Effective : 08/09/00  
Emergency Phone # (800) 255-3924 Supersedes: 08/17/98  
SDRDH

\*\*\* MATERIAL SAFETY DATA SHEET \*\*\*

\*\*\* SECTION VIII-SPECIAL PROTECTION INFORMATION \*\*\*

Use common sense and care around chemicals. Never mix chemicals. Consult your Supervisor for other practices. All practices depend on your specific business. Directions for use are normally found on label which will dictate engineering and control measures.

\*\*\* SECTION IX-SPECIAL PRECAUTIONS \*\*\*

PRECAUTIONARY LABELING:

Keep out of reach of children. Follow directions on the container for proper use of this product.

OTHER HANDLING AND STORAGE CONDITIONS:

Store in a cool, dry place, out of direct sunlight. Do not freeze, less than or equal to 32 deg F, or heat above 110 deg F.

\*\*\* SECTION X-ADDITIONAL INFORMATION \*\*\*

ADDITIONAL INFORMATION:

All chemicals incorporated into this product are found on the TSCA Inventory List.

MFG'S Prepared Date: 08/17/98

\*\*\* SECTION XI-TRANSPORTATION INFORMATION \*\*\*

DOT CLASS:

DOT #:

None

SHIPPING NAME:

DOT NOTES:

\*\*\* SECTION XII-REGULATORY INFORMATION \*\*\*

Note: Genlabs believes the data set forth are accurate, Genlabs makes no warranty with respects thereto and disclaims all liability for reliance thereon. Such data are offered solely for consideration, investigation and verification. Also, the data set forth is for the concentrated finished product.

The disclosures and information set forth on this sheet were provided by manufacturers and distributors who provide product(s) for WAXIE. WAXIE does not warrant the accuracy, completeness or legality of such disclosures or information or that WAXIE has correctly and completely reproduced and copied the same.

PROCTER & GAMBLE -- CASCADE (AUTOMATIC DISHWASHING DETERGENT) - DISHWASHING COMPOUND, MACHI  
MATERIAL SAFETY DATA SHEET  
NSN: 7930006092555  
Manufacturer's CAGE: 74188  
Part No. Indicator: A  
Part Number/Trade Name: CASCADE (~~AUTOMATIC DISHWASHING DETERGENT~~)

=====  
General Information  
=====

Item Name: DISHWASHING COMPOUND, MACHINE  
Company's Name: PROCTER AND GAMBLE  
Company's Street: IVORYDALE TECHNICAL CENTER  
Company's City: CINCINNATI  
Company's State: OH  
Company's Country: US  
Company's Zip Code: 45217  
Company's Emerg Ph #: 800-543-0485  
Company's Info Ph #: 800-543-0485  
Record No. For Safety Entry: 001  
Tot Safety Entries This Stk#: 001  
Status: SMJ  
Date MSDS Prepared: 01FEB90  
Safety Data Review Date: 04FEB92  
MSDS Serial Number: BMSNQ  
Hazard Characteristic Code: N/

=====  
Ingredients/Identity Information  
=====

Proprietary: NO  
Ingredient: SODIUM MONOHYDROGEN PHOSPHATE HEPTAHYDRATE (2:1:1:7); (SODIUM PHOSPHATE)  
Ingredient Sequence Number: 01  
NIOSH (RTECS) Number: WC4600000  
CAS Number: 7682-85-6  
OSHA PEL: NOT APPLICABLE  
ACGIH TLV: NOT APPLICABLE

Proprietary: NO  
Ingredient: PEROXYDICARBONIC ACID, DISODIUM SALT; (SODIUM CARBONATE)  
Ingredient Sequence Number: 02  
NIOSH (RTECS) Number: SD9920000  
CAS Number: 3313-92-6  
OSHA PEL: NOT APPLICABLE  
ACGIH TLV: NOT APPLICABLE

Proprietary: NO  
Ingredient: NONIONIC SURFACTANTS  
Ingredient Sequence Number: 03  
NIOSH (RTECS) Number: 1000978NS  
OSHA PEL: NOT APPLICABLE  
ACGIH TLV: NOT APPLICABLE

Proprietary: NO  
Ingredient: HYPOCHLOROUS ACID, SODIUM SALT; (CHLORINE BLEACH)  
Ingredient Sequence Number: 04  
NIOSH (RTECS) Number: NH3486300  
CAS Number: 7681-52-9  
OSHA PEL: NOT APPLICABLE  
ACGIH TLV: NOT APPLICABLE

Proprietary: NO

Ingredient: SILICIC ACID (H<sub>2</sub>SiO<sub>3</sub>), DISODIUM SALT; (SODIUM SILICATE)  
Ingredient Sequence Number: 05  
NIOSH (RTECS) Number: VV9275000  
CAS Number: 6834-92-0  
OSHA PEL: NOT APPLICABLE  
ACGIH TLV: NOT APPLICABLE

Proprietary: NO  
Ingredient: SODIUM SULFATE (2:1)  
Ingredient Sequence Number: 06  
NIOSH (RTECS) Number: WE1650000  
CAS Number: 7757-82-6  
OSHA PEL: NOT APPLICABLE  
ACGIH TLV: NOT APPLICABLE

Proprietary: NO  
Ingredient: SUDS CONTROL AGENT  
Ingredient Sequence Number: 07  
NIOSH (RTECS) Number: 1005257SC  
OSHA PEL: NOT APPLICABLE  
ACGIH TLV: NOT APPLICABLE

Proprietary: NO  
Ingredient: COLORANT  
Ingredient Sequence Number: 08  
NIOSH (RTECS) Number: 1001827CO  
OSHA PEL: NOT APPLICABLE  
ACGIH TLV: NOT APPLICABLE

Proprietary: NO  
Ingredient: PERFUME, TYPE UNSPECIFIED  
Ingredient Sequence Number: 09  
NIOSH (RTECS) Number: 1000511PU  
OSHA PEL: NOT APPLICABLE  
ACGIH TLV: NOT APPLICABLE

=====  
Physical/Chemical Characteristics  
=====

Appearance And Odor: LIGHT BLUE GRANULAR AGGLOMERATE W/LOW LEVEL WHITE  
GRANULAR ADMIX. PERFUMED.  
Boiling Point: N/A  
Vapor Pressure (MM Hg/70 F): N/A  
Vapor Density (Air=1): N/A  
Specific Gravity: 1.0 G/CC  
Evaporation Rate And Ref: NOT APPLICABLE  
Solubility In Water: APPRECIABLE

=====  
Fire and Explosion Hazard Data  
=====

Flash Point: NOT APPLICABLE  
Lower Explosive Limit: N/A  
Upper Explosive Limit: N/A  
Extinguishing Media: CO\*2, WATER, OR DRY CHEMICAL.  
Special Fire Fighting Proc: WEAR NIOSH/MSHA APPROVED SCBA AND FULL  
PROTECTIVE EQUIPMENT (FP N).  
Unusual Fire And Expl Hazrds: NONE.

=====  
Reactivity Data  
=====

Stability: YES  
Cond To Avoid (Stability): NONE.  
Materials To Avoid: NONE.  
Hazardous Decomp Products: NONE.  
Hazardous Poly Occur: NO

Conditions To Avoid (Poly): NOT RELEVANT.

=====  
Health Hazard Data  
=====

LD50-IC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Route Of Entry - Inhalation: YES

Route Of Entry - Skin: YES

Route Of Entry - Ingestion: YES

Health Haz Acute And Chronic: INGEST:MAY CAUSE VOMITING AND TRANSIENT,  
MODERATE GI IRRITATION. EYE:MAY CAUSE MODERATE, TRANSIENT IRRITATION.

INHAL:HEAVY OR PROLONGED EXPOSURE TO DUST MAY CAUSE TRANSIENT RESPIRATORY  
TRACT IRRITATION. SKIN:TRANSIENT IRRITATION WITH PROLONGED EXPOSURE TO  
CONCENTRATED MATERIAL.

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: NOT RELEVANT.

Signs/Symptoms Of Overexp: INGEST:MAY RESULT IN NAUSEA, VOMITING, AND/ OR  
DIARRHEA. EYE:MAY CAUSE STINGING, TEARING, ITCHING, SWELLING AND/OR  
REDNESS. INHAL:MAY CAUSE COUGHING, SORE THROAT, WHEEZING, OR TRANSITORY  
SHORTNESS OF BREATH. SKIN:CONTACT WITH CONCENTRATED MATERIAL MAY BE DRYING  
OR TRANSIENTLY IRRITATING TO SKIN.

Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.

Emergency/First Aid Proc: INGEST:DRINK A GLASSFUL OF WATER OR MILK.

IF PROLONGED CONTACT OCCURS, RINSE THOROUGHLY WITH WATER. IF SYMPTOMS  
PERSIST OR REOCCUR, GET MD.

=====  
Precautions for Safe Handling and Use  
=====

Steps If Matl Released/Spill: COLLECT & PLACE IN SUITABLE CONTAINER &  
DISPOSE AS DRY SCRAP, OR FLUSH WITH WATER DOWN ACCEPTABLE SEWER (CONTAINS  
BIODEGRADABLE SURFACTANTS). PREVENT SPILLS FROM REACHING A WATERWAY.

PREVENT HEAVY EXPOSURE TO DUST WITH NIOSH/MSHA APPROVED DUST MASK.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Method: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE W/ALL  
LOC, STATE & FED REGS. SMALL OR HOUSEHOLD QTYS MAY BE DISPOSED OF IN REFUSE  
OR IN SEWER. LARGER QUANTITIES OF CONTAMINATED OR WASTE MATL MAY BE  
DISPOSED OF IN MUNICIPAL LANDFILL WHERE ALLOWED BY LAW.

Precautions-Handling/Storing: NO UNUSUAL PRECAUTIONS NECESSARY. AVOID  
CONTACT OF CARTONS WITH MOISTURE TO AVOID DISPENSING PROBLEMS.

Other Precautions: CAUTION:HARMFUL IF SWALLOWED. EYE IRRITANT. KEEP OUT OF  
REACH OF CHILDREN.

=====  
Control Measures  
=====

Respiratory Protection: NONE REQUIRED WITH NORMAL USE. NIOSH/MSHA APPROVED  
RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).

Ventilation: NORMAL/GENERAL DILUTION VENTILATION IS ACCEPTABLE.

Protective Gloves: RUBBER/NEOPRENE GLOVES FOR PRLNGD USE.

Eye Protection: CHEMICAL WORKERS GOGGLES (FP N).

Other Protective Equipment: NONE REQUIRED WITH NORMAL USE.

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Suppl. Safety & Health Data: NONE SPECIFIED BY MANUFACTURER.

=====  
Transportation Data  
=====

Trans Data Review Date: 92128

DOT PSN Code: ZZZ

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

DOT PSN Code: ZZZ

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

IATA PSN Code: ZZZ

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

AFI PSN Code: ZZZ

AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
Additional Trans Data: NOT REGULATED FOR TRANSPORTATION

=====  
Disposal Data  
=====

=====  
Label Data  
=====

Label Required: YES  
Technical Review Date: 12FEB92  
Label Date: 12FEB92  
Label Status: G  
Common Name: CASCADE (AUTOMATIC DISHWASHING DETERGENT)  
Chronic Hazard: NO  
Signal Word: CAUTION!  
Acute Health Hazard-Slight: X  
Contact Hazard-Slight: X  
Fire Hazard-None: X  
Reactivity Hazard-None: X  
Special Hazard Precautions: ACUTE:INGESTION MAY CAUSE MODERATE, TRANSIENT  
GASTROINTESTINAL IRRITATION, VOMITING, NAUSEA AND/OR DIARRHEA. CONTACT WITH  
EYES MAY CAUSE MODERATE, TRANSIENT IRRITATION, STINGING, TEARING, ITCHING,  
SWELLING AND/OR REDNESS. INHALATION OF DUST MAY CAUSE TRANSIENT RESPIRATORY  
TRACT IRRITATION, COUGHING, SORE THROAT, WHEEZING OR TRANSITORY SHORTNESS  
OF BREATH. SKIN CONTACT WITH CONCENTRATED MATERIAL MAY CAUSE TRANSIENT  
IRRITATION OR DRYING. CHRONIC:NONE LISTED BY MANUFACTURER.  
Protect Eye: Y  
Protect Skin: Y  
Protect Respiratory: Y  
Label Name: PROCTER AND GAMBLE  
Label Street: IVORYDALE TECHNICAL CENTER  
Label City: CINCINNATI  
Label State: OH  
Label Zip Code: 45217  
Label Country: US  
Label Emergency Number: 800-543-0485

# The Spic and Span Company

Page 1 of 4  
 Spic and Span  
 90 North Broadway  
 Irvington, NY 10533

## MATERIAL SAFETY DATA SHEET

MSDS #: H96203M  
 Supersedes: N/A

Issue Date: 11/1-99  
 Issue Date: N/A

SECTION I - CHEMICAL PRODUCT		
Identity: Glass and Surface Cleaner		
Brands: CINCH 2 in 1 (All Variations)		
Hazard Rating: 1	Health: 1	4-EXTREME
	Flammability: 0	3-HIGH
	Reactivity: 0	2-MODERATE
		1 SLIGHT
Emergency Telephone Number: 24hr S & S Operator - 1-800-96-CINCH (1-800-962-4624) or call Local Poison Control Center		

SECTION II - COMPOSITION AND INGREDIENTS					
Ingredients/Chemical Name: Cleaning agents, soil suspending agent, perfume and water					
Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.					
Chemical Name	Common Name	CAS No.	Recommended Limits	Composition Range	LD50/LC50
Isopropanol	Isopropyl alcohol	67-63-0	ACGIH TLV: 400ppm OSHA PEL: 400 ppm OSHA STEL: 500ppm (15 min.)	1-5%	
2-Aminoethanol	Monoethanol-amine	141-43-5	ACGIH TLV: 3ppm OSHA PEL: 3mg/m <sup>3</sup> ASHA STEL: 6ppm (15 min)	0.1-1%	

SECTION III - HAZARDOUS IDENTIFICATION	
<b>Health Hazards (Acute and Chronic):</b>	
Ingestion:	May cause mucous membrane irritation
Eye Contact:	May cause eye irritation
Inhalation:	May cause mucous membrane irritation
Skin:	May cause skin irritation
<b>Signs and symptoms of exposure:</b>	
Ingestion:	Oral ingestion may result in mild gastrointestinal irritation with nausea, vomiting, or diarrhea. Large ingestions may cause temporary dizziness, uncoordination and headache.
Eye Contact:	Instillation into the eye may result in transient superficial effects similar to those produced by mild toilet soaps.
Skin:	Use on irritated or extremely dry skin may aggravate the existing condition.
Inhalation:	N.A.

**SECTION IV - FIRST AID INFORMATION**

**Emergency and First Aid Procedures:**  
 Ingestion: Delete with fluids and treat symptomatically. For large ingestions, call a physician  
 Eye Contact: Flush thoroughly with water.  
 Skin: Rinse exposed area with soap and water and discontinue use.  
 Inhalation: Remove to fresh air  
**Other:** Consumer product package has a caution statement: AVOID ACCIDENTS Keep out of reach of children. In case of eye contact or prolonged exposure to skin, flush thoroughly with water to reduce irritation. If swallowed, drink a glass of water.

**SECTION V - FIRE FIGHTING INFORMATION**

**Flash Point (Method Used):** 140° F (cc)      **Explosive Limits**      LEL: N/A      UEL: N/A  
**Extinguishing Media:** use water, CO<sub>2</sub>, dry chemical or "alcohol" foam.  
**Special Fire Fighting Procedures:** Use water to keep fire exposed container cool.  
**Unusual Fire Hazards:** Combustible liquid. Product will produce a brief flash but will not support sustained combustion with open flame above the indicated flashpoint.

**Stability**      *Unstable:*      *Conditions to Avoid:* None known  
                               *Stable: X*

**Incompatibility (Materials to Avoid):** None known  
**Hazardous Decomposition/By Products:** None known  
**Hazardous Polymerization:**    *May Occur:*      *Conditions to Avoid:* None known  
   *Will Not Occur: X*

**SECTION VI - ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** None  
**Environmental Precautions:** DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. Do not landfill. Small (household) quantities may be disposed of via sewer.  
**Steps To Be Taken in Case Material is Released or Spilled:** Use water spray to dilute and/or wash away spills to avoid exposure and to protect persons working to stop/repair leak. Absorb spilled product onto absorbent material.

**SECTION VII - HANDLING AND STORAGE**

**Precautions To Be Taken in Handling and Storing:** Handling and storage must be well ventilated, cool, and dry. Materials must be isolated from potential sources of ignition. Fire fighting equipment must be available at all times.  
**Other Precautions:** Keep away from heat sparks and open flame.



**SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION****Respiratory Protection (Specify Type):** None required with normal use**Ventilation Local Exhaust:** None required with normal consumer use*Special:* None*Mechanical (General):* Acceptable.*Other:* None**Eye Protection:** None required with normal consumer use.*Industrial Setting:* For splash protection, use chemical goggles. Eye wash fountain is desirable.**Protective Gloves:** None required with normal use.**Other Protective Equipment:** None required with normal use.**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES****Boiling Point** ° F, 200°F**Specific Gravity (H<sub>2</sub>O=1):** 0.989**Vapor Pressure (mm Hg):** N/A**Percent Volatile by Volume (%):** N/A**Vapor Density (Air=1):** N/A**Evaporation Rate (nBuOAc=1):** Unknown**Odor Threshold:** N/A**Freezing Point:** N/A**Coefficient of Water/Oil Distribution:** N/A**pH (1% solution):** 10.0**Scooped Density:** N/A**Solubility in Water:** Completely**Appearance and Odor:** Clear liquid,  
product is perfumed.**Reserve Alkalinity:** N/A**SECTION X - STABILITY AND REACTIVITY****Possible Hazardous Reactions/Conditions:** None known**Conditions to Avoid:** None**Materials to Avoid:** None**Hazardous Decomposition Products:** None known**Other Recommendations:** None**SECTION XI - TOXICOLOGICAL INFORMATION****LD50 (rats oral):** >20 g/kg**ED50:** ~16 ml/kg**SECTION XII - ECOLOGICAL INFORMATION**

No concerns at relevant environmental concentrations.

**SECTION XIII - DISPOSAL CONSIDERATIONS****Waste Disposal Method:** Do not landfill (household) quantities may be disposed of via sewer. DISPOSAL IS TO BE PERFORMED IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS

**SECTION XIV. TRANSPORT INFORMATION**

**DOT Classification.** Combustible liquid not regulated in packaging of less than 110 gallons.

**SECTION XV. ADDITIONAL REGULATORY INFORMATION**

All components are listed on the US TSCA Inventory.

No components of CINCH are subject to California Proposition 65.

All ingredients are CEPA approved for import to Canada by Spic and Span. This product has been classified with Hazard Criteria of the Canadian Control Products Regulation (CPR) and this MSDS contains all information required by the Canadian Products Regulation.

**SECTION XVI. OTHER INFORMATION**

\*N.A. - Not Applicable

\*N.K. - Not Known

The submission of this MSDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied is for use only in connection with occupational safety and health.

The information contained herein has been compiled from sources considered by Spic and Span to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific material designated herein, and does not relate to the use in combination with any other material or any other process. Spic and Span assumed no responsibility for injury to the recipient or third persons, for any damage to any property resulting from misuse of the controlled product.



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

Material Safety  
Data Sheet

**SECTION 1 - PRODUCT IDENTIFICATION AND USE**

<b>PRODUCT NAME:</b> CLOROX® COMMERCIAL SOLUTIONS™ PINE-SOL® ALL-PURPOSE DISINFECTANT CLEANER - DIN 02376741		<b>PRODUCT IDENTIFICATION NUMBER:</b> Not applicable.
<b>PRODUCT USE:</b> General purpose disinfectant cleaner		
<b>MANUFACTURER</b>		<b>SUPPLIER</b>
Clorox Products Manufacturing Company 1221 Broadway Oakland, California 94612  EMERGENCY PHONE NO.: 1-800-446-1014		The Clorox Company of Canada, Ltd. 150 Biscayne Crescent Brampton, Ontario L6W 4V3  EMERGENCY PHONE NO.: 1-800-446-1014

**SECTION 2 - HAZARDOUS INGREDIENTS**

Hazardous Ingredient	% (w/w)	CAS Number	LD50 of Material (Specify Species & Route)	LC50 of Material (Specify Species)
Pine oil	8 - 10	8002-09-3	3.2 g/kg (rat, oral) 5 g/kg (rabbit, dermal)	Not available.
Alkyl alcohol ethoxylates	3 - 7	127036-24-2	2 - 5 g/kg (rat, oral)	Not available.
Sodium petroleum sulfonate	1 - 5	68608-26-4	> 2 g/kg (rat, oral)	Not available.
Isopropyl alcohol	1 - 5	67-63-0	5 g/kg (rat, oral) 12.8 g/kg (rabbit, dermal)	22600 ppm (rat)

**SECTION 3 - PHYSICAL DATA**

<b>Physical State:</b> Liquid	<b>Odour &amp; Appearance:</b> Clear, amber, slightly viscous liquid with a characteristic pine odour.	<b>Odour Threshold:</b> Not available.	<b>Specific Gravity:</b> ≈1.0
<b>Vapour Pressure:</b> Not available.	<b>Vapour Density:</b> N. Av.	<b>Evaporation Rate:</b> N. Av.	<b>Boiling Point:</b> N. Av.
<b>% Volatile (by volume):</b> 80 - 85	<b>Solubility in Water:</b> Appreciable.	<b>pH:</b> 3 - 4	<b>Coef. of Water/Oil Dist.:</b> Not available.

**SECTION 4 - FIRE AND EXPLOSION DATA**

<b>Flammability:</b> Class B, Division 3 (Combustible Liquid). Keep away from heat, sparks, and open flame. <b>Yes: <u>X</u> No: ___</b> If yes, under which conditions? Product ignites but does not sustain combustion.		
<b>Means of Extinction:</b> Dry chemical, carbon dioxide (CO <sub>2</sub> ), foam, or water spray.		
<b>Special Procedures:</b> None known.		
<b>Flashpoint &amp; Method:</b> ≈ 49°C (Tag closed cup)	<b>Upper Flammable Limit (% by volume):</b> Not available.	<b>Lower Flammable Limit (% by volume):</b> Not available.
<b>Autoignition Temperature:</b> N. Ap.	<b>Hazardous Combustion Products:</b> Products of combustion are toxic.	
<b>Explosion Data - Sensitivity to Impact:</b> Not applicable.		<b>Explosion Data - Sensitivity to Static Discharge:</b> Not applicable.

**SECTION 5 - REACTIVITY DATA**

<b>Chemical Stability:</b> <b>Yes: <u>X</u> No: ___</b> If no, under which conditions?	
<b>Incompatibility with other substances:</b> <b>Yes: ___ No: <u>X</u></b> If so, which ones?	
<b>Reactivity, if any, and under what conditions?</b>	None known.
<b>Hazardous decomposition products?</b>	None known.

### SECTION 6 - TOXICOLOGICAL PROPERTIES

<b>Route of Entry?</b> Skin Contact: <u> X </u> Skin Absorption: <u>    </u> Eye Contact: <u> X </u> Inhalation Acute: <u>    </u> Inhalation Chronic: <u>    </u> Ingestion: <u>    </u>			
<b>Effects of Acute Exposure to Material:</b> Direct or prolonged eye or skin contact may result in irritation.			
<b>Effects of Chronic Exposure to Material:</b> None known.			
<b>Exposure Limits (TLV, ACGIH):</b> Isopropyl alcohol - 200 ppm - TWA 400 ppm - STEL	<b>Irritancy of Material:</b> Moderately irritating to eyes. Slightly irritating to skin.	<b>Sensitization Property of Material:</b> Not a sensitizer.	<b>Carcinogenicity of Material:</b> Not a carcinogen.
<b>Teratogenicity/Embryotoxicity:</b> Not teratogenic or embryotoxic.	<b>Reproductive Toxicity:</b> Not a reproductive toxicant.	<b>Mutagenicity:</b> Not mutagenic.	<b>Synergistic Materials:</b> None known.

### SECTION 7 - PREVENTATIVE MEASURES

<b>Personal Protective Equipment:</b>		
<b>Gloves (specify):</b> Wear rubber or neoprene gloves if there is the potential for repeated or prolonged skin contact.	<b>Respirator (specify):</b> In situations where exposure limits may be exceeded, a NIOSH-approved respirator is advised.	<b>Eye (specify):</b> Safety glasses.
<b>Footwear (specify):</b> Not applicable.	<b>Clothing (specify):</b> Not applicable.	<b>Other (specify):</b> Not applicable.
<b>Engineering Controls (specify, e.g. ventilation, enclosed process):</b> Use general ventilation to minimize exposure to product mist.		
<b>Leak and Spill Procedure:</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.		
<b>Waste Disposal:</b> Dispose of in accordance with existing federal, provincial, and municipal environmental regulations.		
<b>Handling Procedures &amp; Equipment:</b> Wash hands with soap and water after use. Avoid contact with food.		
<b>Storage Requirements:</b> Do not store near heat or open flame.		
<b>Special Shipping Information:</b> Not restricted per TDG Regulations Part 2.18.		

### SECTION 8 - FIRST AID MEASURES

<b>Eye Contact:</b>	If in eyes, rinse with water for 15 minutes. If irritation persists, call a doctor.
<b>Skin Contact:</b>	If on skin, rinse well with water. If irritation persists, call a doctor.
<b>Ingestion:</b>	If swallowed, call a poison control center or doctor immediately. Do not induce vomiting.
<b>Inhalation:</b>	Remove to fresh air. If breathing problems develop, call a doctor.

### SECTION 9 - PREPARATION DATE OF MSDS

<b>Prepared by (group, department, etc.)</b> Clorox Services Company	<b>Phone Number:</b> 1-925-425-6100	<b>Date:</b> January 28, 2012	V1
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This information is furnished without warranty, expressed, or implied, except that it is accurate to the best knowledge of The Clorox Company of Canada, Ltd. The data on these sheets relates only to the specific material designated herein. The Clorox Company of Canada, Ltd. assumes no legal responsibility for use or reliance upon this data.

The CLOROX name and logo and Pine-Sol are registered trademarks of The Clorox Company.

N. Av. = Not available.

N. Ap. = Not applicable.

**Clorox Professional Products Company**1221 Broadway  
Oakland, CA 94612  
Tel. (510) 271-7000**Material Safety  
Data Sheet****I Product:** CLOROX COMMERCIAL SOLUTIONS® TILEX® SOAP SCUM REMOVER & DISINFECTANT**Description:** CLEAR LIQUID WITH LEMON FRAGRANCE

Other Designations	Distributor	Emergency Telephone Nos.
EPA Reg. No. 5813-40-67619	The Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies call: 1-800-446-1014 For Transportation Emergencies, call Chemtrec: 1-800-424-9300

**II Health Hazard Data**

Eye irritant. Harmful if absorbed through skin. Prolonged inhalation of vapor or mist may be irritating to nose, throat and respiratory tract.

There are no known medical conditions aggravated by exposure to this product.

**FIRST AID:****Eye Contact:** Hold eye open and rinse with water for 15-20 minutes. Remove contact lenses, after first 5 minutes. Continue rinsing eye. Call a physician.**Skin Contact:** Wash skin with water for 15-20 minutes. If irritation develops, call a physician.**Ingestion:** Do not induce vomiting. Drink a glassful of water. If irritation develops, call a physician. Do not give anything by mouth to an unconscious person.**Inhalation:** Remove to fresh air. If breathing is affected, call a physician.**III Hazardous Ingredients**

Ingredient	Concentration	Exposure Limit
n-Alkyl (C12-C18) dimethyl benzyl ammonium chloride CAS# 68391-01-5	0.1375%	Not established
n-Alkyl (C12- C14) dimethyl ethylbenzyl ammonium chloride CAS# 68956-79-6	0.1375%	Not established
Tetrapotassium ethylenediamine tetraacetate (EDTA) CAS# 5964-35-2	1-5%	Not established
Diethylene glycol monobutyl ether CAS# 112-34-5	3-7%	Not established
None of the ingredients in this product are on the IARC, NTP or OSHA carcinogen lists.		

**IV Special Protection and Precautions**

No special protection or precautions have been identified for using this product under directed consumer use conditions. 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.

**Hygienic Practices:** Wash hands after direct contact. Avoid eye and skin contact and inhalation of vapor or mist. Avoid contact with food.**Engineering Controls:** Use general ventilation to minimize exposure to vapor or mist.**Personal Protective Equipment:** Wear safety glasses. Use protective gloves if in contact liquid, especially for prolonged periods. Take off contaminated clothing a wash before re-use.**V Transportation and Regulatory Data****DOT/IMDG/IATA:** Not restricted.**EPA- SARA Title III/CERCLA:** Product may be regulated under Sections 311/312. This product contains no chemicals regulated under Section 304/CERCLA or Section 313.**TSCA:** All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.**TSCA 12(b):** This product is not subject to TSCA 12(b) reporting requirements.**VI Spill Procedures/Waste Disposal****Spill Procedures:** Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed down material.**Waste Disposal:** Disposal must be made in accordance with applicable federal, state and local regulations.**VII Reactivity Data****Stability:** Mixing with sodium hypochlorite may release small amounts of formaldehyde gas.**Storage/Disposal:** Do not use or store near heat or open flame.**VIII Fire and Explosion Data****Fire Extinguishing Agents:** Water spray, dry chemical, carbon dioxide (CO<sub>2</sub>)**Flashpoint:** >200°F (closed cup).**Unusual Fire and Explosion Hazards:** None.**IX Physical Data****Specific Gravity:**..... ~1**pH:** ..... ~12**Solubility (Water):** ..... Complete

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** CLR Calcium, Lime & Rust Remover

**Other means of identification** None.

**Recommended use** Remover

**Recommended restrictions** None known.

### Manufacturer/Importer/Supplier/Distributor information

#### Canadian Distributor

**Company name** MAGTAR SALES INC.

**Address** 376 Watline Ave  
Mississauga, ON L4Z 1X2  
Canada

**Telephone** (905) 568-0100/1-800-387-7446

**e-mail** dhancock@magtarsales.ca

**Emergency phone number** CHEMTREC: 1-800-424-9300

**Manufacturer** Jelmar, LLC

## 2. Hazard identification

**Physical hazards** Corrosive to metals Category 1

**Health hazards** Serious eye damage/eye irritation Category 2A

**Environmental hazards** Not classified.

### Label elements



**Signal word** Warning

**Hazard statement** May be corrosive to metals. Causes serious eye irritation.

### Precautionary statement

**Prevention** Keep only in original packaging. Wash thoroughly after handling. Wear eye protection/face protection.

**Response** Absorb spillage to prevent material-damage.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Storage** Store in a corrosion resistant container with a resistant inner liner.

**Disposal** Dispose of waste and residues in accordance with local authority requirements.

**Other hazards** None known.

**Supplemental information** Exempt - Consumer product

This product is not subject to the Hazardous Products Act (HPA) Part II (Hazardous Products) as per paragraph 12(j); Schedule 1 (Non-Application of Part II).

This restriction states that Part II does not apply in respect of the sale or importation of anything listed in Schedule 1 which includes any pest control product as defined in subsection 2(1) of the Pest Control Products Act, any explosive as defined in section 2 of the Explosives Act, any cosmetic, device, drug or food, as defined in section 2 of the Food and Drugs Act, any consumer product as defined in section 2 of the Canada Consumer Product Safety Act and any wood or product made of wood.

## 3. Composition/information on ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Lactic acid		79-33-4	10-30
Lauryldimethylamine oxide		1643-20-5	1-5

Chemical name	Common name and synonyms	CAS number	%
D-Gluconic acid		526-95-4	1-5

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**Composition comments** The concentration ranges are provided due to batch-to-batch variability.  
Not applicable to consumer products. Refer to product label for ingredient content.

#### 4. First-aid measures

<b>Inhalation</b>	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
<b>Skin contact</b>	Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.
<b>Eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.
<b>Most important symptoms/effects, acute and delayed</b>	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause redness and pain.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically.
<b>General information</b>	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon. Oxides of nitrogen.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.

#### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb spillage to prevent material damage. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.  Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
<b>Environmental precautions</b>	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground. Do not discharge into lakes, streams, ponds or public waters.

#### 7. Handling and storage

<b>Precautions for safe handling</b>	Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. When using do not eat or drink.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in a cool, dry place out of direct sunlight. Store in a corrosion resistant container with a resistant inner liner. Keep only in the original container. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children.

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## 8. Exposure controls/Personal protection

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<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Appropriate engineering controls</b>	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Wear safety glasses with side shields.
<b>Skin protection</b>	
<b>Hand protection</b>	Not normally required.
<b>Other</b>	As required by employer code.
<b>Respiratory protection</b>	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).
<b>Thermal hazards</b>	Not applicable.
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. When using do not eat or drink.

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## 9. Physical and chemical properties

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<b>Appearance</b>	Clear
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Colour</b>	Green
<b>Odour</b>	Acidic
<b>Odour threshold</b>	Not available.
<b>pH</b>	2.1 - 2.3 , acid reserve 3.98
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	99 °C (210.2 °F)
<b>Flash point</b>	none
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit – upper (%)</b>	Not available.
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	Not available.
<b>Relative density</b>	1.04 - 1.06
<b>Solubility(ies)</b>	
<b>Solubility (Water)</b>	100 %
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Explosive properties</b>	Not explosive.
<b>Oxidising properties</b>	Not oxidising.



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## 10. Stability and reactivity

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<b>Reactivity</b>	This product may react with strong oxidising agents.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Do not mix with bleach or any other chemical.
<b>Incompatible materials</b>	Strong oxidising agents. Metals.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon. Oxides of nitrogen.

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## 11. Toxicological information

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### Information on likely routes of exposure

**Inhalation** No adverse effects due to inhalation are expected.

**Skin contact** Non-irritating based on test data.

**Eye contact** Causes serious eye irritation.

**Ingestion** May cause stomach distress, nausea or vomiting.

**Symptoms related to the physical, chemical and toxicological characteristics** Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause redness and pain.

### Information on toxicological effects

#### Acute toxicity

Components	Species	Test results
D-Gluconic acid (CAS 526-95-4)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rat	> 2000 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	6.1 g/kg, ECHA
Lactic acid (CAS 79-33-4)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg > 2000 mg/kg, 24 Hours
<i>Inhalation</i>		
LC50	Rat	> 7.9 mg/L, 4 Hours
<i>Oral</i>		
LD50	Guinea pig	1810 mg/kg
	Mouse	4875 mg/kg
	Rat	4936 mg/kg 3543 mg/kg
Lauryldimethylamine oxide (CAS 1643-20-5)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rat	> 2000 mg/kg, ECHA
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Mouse	2700 mg/kg, Sigma Aldrich
	Rat	1064 mg/kg, ECHA
<b>Skin corrosion/irritation</b>	Non-irritating based on test data.	
<b>Exposure minutes</b>	Not available.	
<b>Erythema value</b>	Not available.	

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<b>Oedema value</b>	Not available.
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.
<b>Corneal opacity value</b>	Not available.
<b>Iris lesion value</b>	Not available.
<b>Conjunctival reddening value</b>	Not available.
<b>Conjunctival oedema value</b>	Not available.
<b>Recover days</b>	Not available.
<b>Respiratory or skin sensitisation</b>	
<b>Respiratory sensitisation</b>	Not a respiratory sensitizer.
<b>Skin sensitisation</b>	This product is not expected to cause skin sensitisation.
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>	Not available.
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not an aspiration hazard.
<b>Chronic effects</b>	Not available.
<b>Further information</b>	Not available.

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## 12. Ecological information

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<b>Ecotoxicity</b>	See below		
<b>Ecotoxicological data</b>			
<b>Components</b>		<b>Species</b>	<b>Test results</b>
Lactic acid (CAS 79-33-4)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> )	180 - 320 mg/L, 48 hours
<b>Persistence and degradability</b>	No data is available on the degradability of this product.		
<b>Bioaccumulative potential</b>	No data available.		
<b>Mobility in soil</b>	No data available.		
<b>Mobility in general</b>	Not available.		
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.		

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## 13. Disposal considerations

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<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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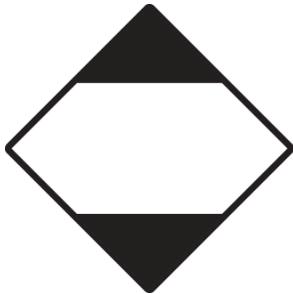
## 14. Transport information

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<b>General</b>	Canada: TDG Proof of Classification: In accordance with Part 2.2.1 (SOR/2014-152) of the Transportation of Dangerous Goods Regulations, we certify that the classification of this product is correct as of the SDS date of issue. If applicable, the technical name and the classification of the product will appear below.
<b>Transportation of Dangerous Goods (TDG - Canada)</b>	
<b>Basic shipping requirements:</b>	
<b>UN number</b>	UN3265

**Proper shipping name** CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.  
**Technical name** Lactic acid  
**Hazard class** Limited Quantity - Canada  
**Packing group** III  
**Special provisions** 16  
**Packaging exceptions** <5L - Limited Quantity

TDG



### 15. Regulatory information

**Canadian federal regulations**

This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.  
 This product is not subject to the Hazardous Products Act (HPA) Part II (Hazardous Products) as per paragraph 12(j); Schedule 1 (Non-Application of Part II).  
 This restriction states that Part II does not apply in respect of the sale or importation of anything listed in Schedule 1 which includes any pest control product as defined in subsection 2(1) of the Pest Control Products Act, any explosive as defined in section 2 of the Explosives Act, any cosmetic, device, drug or food, as defined in section 2 of the Food and Drugs Act, any consumer product as defined in section 2 of the Canada Consumer Product Safety Act and any wood or product made of wood.

**Export Control List (CEPA 1999, Schedule 3)**

Not listed.

**Greenhouse Gases**

Not listed.

**Precursor Control Regulations**

Not regulated.

**International regulations**

**WHMIS classification**

Exempt - Consumer product

**Inventory status**

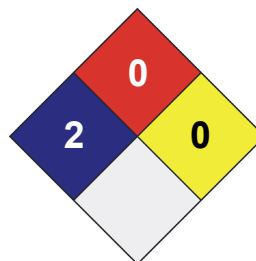
Country(s) or region	Inventory Name	On Inventory (Yes/No)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

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

### 16. Other information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

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



**Issue date**

29-November-2017

**Revision date**

29-November-2017

**Version No.**

01

**Other information**

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

**Disclaimer**

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

**Prepared by**

Dell Tech Laboratories Ltd. Phone: (519) 858-5021

## **DOD Hazardous Material Information (ANSI Format)**

### **DRANO (CRYSTAL) ALL-PURPOSE DRAIN OPENER**

The information in this document is compiled from information maintained by the United States Department of Defense (DOD). Anyone using this information is solely responsible for the accuracy and applicability of this information to a particular use or situation.

Cornell University does not in any way warrant or imply the applicability, viability or use of this information to any person or for use in any situation.

#### **Section 1 - Product and Company Identification DRANO (CRYSTAL) ALL-PURPOSE DRAIN OPENER**

**Product Identification:** DRANO (CRYSTAL) ALL-PURPOSE DRAIN OPENER

**Date of MSDS:** 11/01/1985 **Technical Review Date:** 12/06/1998

**FSC:** 6850 **NIIN:** 00-685-4763

**Submitter:** N EN

**Status Code:** C

**MFN:** 01

**Article:** N

**Kit Part:** N

**Manufacturer's Information**

**Manufacturer's Name:** DRACKETT PRODUCTS COMPANY  
**Manufacturer's Address1:** 5020 SPRING GROVE AVENUE  
**Manufacturer's Address2:** CINCINNATI, OH 45232-1988  
**Manufacturer's Country:** NK  
**General Information Telephone:**  
**Emergency Telephone:** 513-632-1500  
**Emergency Telephone:** 513-632-1500  
**MSDS Preparer's Name:** N/P  
**Proprietary:** N  
**Reviewed:** Y  
**Published:** Y  
**CAGE:** DRACK  
**Special Project Code:** N

**Item Description**

**Item Name:** CLEANING COMPOUND,ALKALI,PIPELINE  
**Item Manager:** GSA  
**Specification Number:** A-A-1911  
**Type/Grade/Class:** NONE  
**Unit of Issue:** CN **Quantitative Expression:** 00000000012OZ  
**Unit of Issue Quantity:** 1  
**Type of Container:** CAN

**Contractor Information**

**Contractor's Name:** DRACKETT CO  
**Contractor's Address1:** 5020 SPRING GROVE AVE  
**Contractor's Address2:** CINCINNATI, OH 45232-1926  
**Contractor's Telephone:** 513-632-7409  
**Contractor's CAGE:** 85234

**Contractor Information**

**Contractor's Name:** DRACKETT PRODUCTS CO  
**Post Office Box:** N/K  
**Contractor's Address1:** 5020 SPRING GROVE AVE  
**Contractor's Address2:** CINCINNATI, OH 45232-1988  
**Contractor's Telephone:** 513-632-1500  
**Contractor's CAGE:** DRACK

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**Section 2 - Composition/Information on Ingredients**  
**DRANO (CRYSTAL) ALL-PURPOSE DRAIN OPENER**

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**Ingredient Name:** SODIUM HYDROXIDE (SARA III)  
**Ingredient CAS Number:** 1310-73-2 **Ingredient CAS Code:** M  
**RTECS Number:** WB4900000 **RTECS Code:** M  
**=WT: =WT Code:**  
**=Volume: =Volume Code:**

>WT: >WT Code:  
>Volume: >Volume Code:  
<WT: <WT Code:  
<Volume: <Volume Code:  
% Low WT: % Low WT Code:  
% High WT: % High WT Code:  
% Low Volume: % Low Volume Code:  
% High Volume: % High Volume Code:  
% Text: N/K  
% Environmental Weight:  
Other REC Limits: N/K (FP N/ORNL)  
OSHA PEL: 2 MG/M3 OSHA PEL Code: M  
OSHA STEL: OSHA STEL Code:  
ACGIH TLV: C 2 MG/M3; 9293 ACGIH TLV Code: M  
ACGIH STEL: N/P ACGIH STEL Code:  
EPA Reporting Quantity: 1000 LBS  
DOT Reporting Quantity: 1000 LBS  
Ozone Depleting Chemical: N

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### Section 3 - Hazards Identification, Including Emergency Overview DRANO (CRYSTAL) ALL-PURPOSE DRAIN OPENER

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**Health Hazards Acute & Chronic:** SEE SIGNS & SYMPTOMS OF OVEREXP.

**Signs & Symptoms of Overexposure:**

INHAL:N/K (FP N/ORNL).SKIN & EYES:SEVERE BURNS,POSSIBLE  
BLINDNESS.INGEST:MAY BE FATAL OR CAUSE PERMANENT DAMAGE.

**Medical Conditions Aggravated by Exposure:**

N/K (FP N/ORNL)

**LD50 LC50 Mixture:** N/K (FP N/ORNL)

**Route of Entry Indicators:**

**Inhalation:** N/P

**Skin:** N/P

**Ingestion:** N/P

**Carcenogenicity Indicators**

**NTP:** NO

**IARC:** NO

**OSHA:** NO

**Carcinogenicity Explanation:** NONE

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### Section 4 - First Aid Measures DRANO (CRYSTAL) ALL-PURPOSE DRAIN OPENER

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**First Aid:**

INHAL:REMOVE TO FRESH AIR.SUPPORT BREATHING (GIVE O\*2/ARTF RESP) (FP

N).SKIN:REMOVE AFFECTED CLOTHING,FLUSH WITH WATER FOR AT LEAST 15 MINUTES.GET MD ATTN IMMED.EYES:RINSE IMMED W/ WATER FOR AT LEAST 15 MINUTES;REMOVE CONTACTS & WASH W/ WATER FOR AT LEAST 20 MIN.GET MD ATTN IMMED.INGEST:RAPIDLY RINSE MOUTH,THEN IMMED DRINK GLASS OF WATER OR MILK.DO NOT INDUCE VOMITING.GET MD ATTN IMMED.

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**Section 5 - Fire Fighting Measures**  
**DRANO (CRYSTAL) ALL-PURPOSE DRAIN OPENER**

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**Fire Fighting Procedures:**

USE NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).

**Unusual Fire or Explosion Hazard:**

CAUSTIC VAPORS RELEASED WHEN WET.

**Extinguishing Media:**

DRY CHEMICAL,CARBON DIOXIDE.

**Flash Point: Flash Point Text: N/A**

**Autoignition Temperature:**

**Autoignition Temperature Text: N/A**

**Lower Limit(s): N/A**

**Upper Limit(s): N/A**

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**Section 6 - Accidental Release Measures**  
**DRANO (CRYSTAL) ALL-PURPOSE DRAIN OPENER**

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**Spill Release Procedures:**

SWEEP UP MATERIAL & COLLECT.

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**Section 7 - Handling and Storage**  
**DRANO (CRYSTAL) ALL-PURPOSE DRAIN OPENER**

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**Handling and Storage Precautions:**

**Other Precautions:**

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**Section 8 - Exposure Controls & Personal Protection**  
**DRANO (CRYSTAL) ALL-PURPOSE DRAIN OPENER**

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**Respiratory Protection:**

NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).

**Ventilation:**

LOCAL AND GENERAL VENTILATION NECESSARY TO KEEP AIR CONCENTRATION BELOW TLV (FP N/ORNL).

**Protective Gloves:**

RUBBER (IF CONTAINER OPEN).

**Eye Protection:** CHEMICAL WORKERS GOGGLES (FP N).

**Other Protective Equipment:** APRON &/OR PROTECTIVE IMPERVIOUS CLOTHING IF CONTAINER OPEN.

**Work Hygienic Practices:** N/K (FP N/ORNL)

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**Supplemental Health & Safety Information:** N/K (FP N/ORNL)

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**Section 9 - Physical & Chemical Properties**  
**DRANO (CRYSTAL) ALL-PURPOSE DRAIN OPENER**

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**HCC:** B1

**NRC/State License Number:**

**Net Property Weight for Ammo:**

**Boiling Point: Boiling Point Text:** N/A

**Melting/Freezing Point: Melting/Freezing Text:** N/K (FP N)

**Decomposition Point: Decomposition Text:** N/K (FP N)

**Vapor Pressure: N/A Vapor Density: N/A**

**Percent Volatile Organic Content:**

**Specific Gravity:** N/A

**Volatile Organic Content Pounds per Gallon:**

**pH:** N/K

**Volatile Organic Content Grams per Liter:**

**Viscosity:** N/P

**Evaporation Weight and Reference:** N/A

**Solubility in Water:** 50%

**Appearance and Odor:** GREEN GRANULAR W/ ALUMINUM CHIPS,NO ODOR.

**Percent Volatiles by Volume:** N/A

**Corrosion Rate:** N/K

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**Section 10 - Stability & Reactivity Data**  
**DRANO (CRYSTAL) ALL-PURPOSE DRAIN OPENER**

**Stability Indicator:** YES

**Materials to Avoid:**

N/A

**Stability Condition to Avoid:**

DAMP OR WET STORAGE CONDITIONS.

**Hazardous Decomposition Products:**

CAUSTIC VAPORS.

**Hazardous Polymerization Indicator:** N/P

**Conditions to Avoid Polymerization:**

N/K (FP N/ORNL)

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**Section 11 - Toxicological Information**  
**DRANO (CRYSTAL) ALL-PURPOSE DRAIN OPENER**

**Toxicological Information:**

N/P

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**Section 12 - Ecological Information**  
**DRANO (CRYSTAL) ALL-PURPOSE DRAIN OPENER**

**Ecological Information:**

N/P

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**Section 13 - Disposal Considerations**  
**DRANO (CRYSTAL) ALL-PURPOSE DRAIN OPENER**

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**Waste Disposal Methods:**

DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE & LOCAL REGULATIONS (FP N).

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**Section 14 - MSDS Transport Information**  
**DRANO (CRYSTAL) ALL-PURPOSE DRAIN OPENER**

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**Transport Information:**

N/P

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**Section 15 - Regulatory Information**  
**DRANO (CRYSTAL) ALL-PURPOSE DRAIN OPENER**

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**SARA Title III Information:**

N/P

**Federal Regulatory Information:**

N/P

**State Regulatory Information:**

N/P

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**Section 16 - Other Information**  
**DRANO (CRYSTAL) ALL-PURPOSE DRAIN OPENER**

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**Other Information:**

N/P

**HMIS Transportation Information**

**Product Identification:** DRANO (CRYSTAL) ALL-PURPOSE DRAIN OPENER**Transportation ID Number:** 82356**Responsible Party CAGE:** DRACK**Date MSDS Prepared:** 11/01/1985**Date MSDS Reviewed:** 07/19/1988**MFN:** 07/19/1988**Submitter:** N TN**Status Code:** C**Container Information****Unit of Issue:** CN**Container Quantity:** 1**Type of Container:** CAN**Net Unit Weight:****Article without MSDS:** N**Technical Entry NOS Shipping Number:****Radioactivity:****Form:****Net Explosive Weight:****Coast Guard Ammunition Code:****Magnetism:** N/P**AF MMAC Code:****DOD Exemption Number:** N/R

**Limited Quantity Indicator:****Multiple Kit Number:** 0**Kit Indicator:** N**Kit Part Indicator:** N**Review Indicator:** Y**Additional Data:****Department of Transportation Information****DOT Proper Shipping Name:** SODIUM HYDROXIDE, SOLID**DOT PSN Code:** NGU**Symbols:****DOT PSN Modifier:****Hazard Class:** 8**UN ID Number:** UN1823**DOT Packaging Group:** II**Label:** CORROSIVE**Special Provision(s):****Packaging Exception:** 154**Non Bulk Packaging:** 212**Bulk Packaging:** 240**Maximum Quantity in Passenger Area:** 15 KG**Maximum Quantity in Cargo Area:** 50 KG**Stow in Vessel Requirements:** A**Requirements Water/Sp/Other:****IMO Detail Information****IMO Proper Shipping Name:** SODIUM HYDROXIDE, SOLID**IMO PSN Code:** NSX**IMO PSN Modifier:****IMDG Page Number:** 8225-1**UN Number:** 1823**UN Hazard Class:** 8**IMO Packaging Group:** II**Subsidiary Risk Label:** -**EMS Number:** 8-06**Medical First Aid Guide Number:** 705**IATA Detail Information****IATA Proper Shipping Name:** SODIUM HYDROXIDE, SOLID**IATA PSN Code:** WSO**IATA PSN Modifier:****IATA UN Id Number:** 1823**IATA UN Class:** 8**Subsidiary Risk Class:****UN Packaging Group:** II**IATA Label:** CORROSIVE**Packaging Note for Passengers:** 814**Maximum Quantity for Passengers:** 15KG**Packaging Note for Cargo:** 816**Maximum Quantity for Cargo:** 50KG**Exceptions:****AFI Detail Information**

**AFI Proper Shipping Name:** SODIUM HYDROXIDE, SOLID

**AFI Symbols:**

**AFI PSN Code:** WSO

**AFI PSN Modifier:**

**AFI UN Id Number:** UN1823

**AFI Hazard Class:** 8

**AFI Packing Group:** II

**AFI Label:**

**Special Provisions:** P5

**Back Pack Reference:** A12.4

#### **HAZCOM Label Information**

**Product Identification:** DRANO (CRYSTAL) ALL-PURPOSE DRAIN OPENER

**CAGE:** DRACK

**Assigned Individual:** N

**Company Name:** DRACKETT PRODUCTS CO

**Company PO Box:** N/K

**Company Street Address1:** 5020 SPRING GROVE AVE

**Company Street Address2:** CINCINNATI, OH 45232-1988 US

**Health Emergency Telephone:**

**Label Required Indicator:** Y

**Date Label Reviewed:** 12/16/1998

**Status Code:** C

**Manufacturer's Label Number:**

**Date of Label:** 12/16/1998

**Year Procured:** N/K

**Organization Code:** F

**Chronic Hazard Indicator:** N/P

**Eye Protection Indicator:** N/P

**Skin Protection Indicator:** N/P

**Respiratory Protection Indicator:** N/P

**Signal Word:** N/P

**Health Hazard:**

**Contact Hazard:**

**Fire Hazard:**

**Reactivity Hazard:**

## 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.

# 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): 930122, 930124
- PRODUCT NAME: **Floor Star Finish**
  - 5 GL; #930122
  - 1 GL; #930124

### 1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE

- RECOMMENDED USE: Floor finish.
- 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. 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.

## SECTION 2: HAZARD IDENTIFICATION

### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

#### OSHA/HCS Status

**Classification of the Substance or Mixture** Acute Toxicity, Inhalation (Category 4); Acute Toxicity, Oral (Category 4), Skin corrosion (Category 2); Serious eye damage (Category 2A); Target Organ System Toxicity (Single Exposure; Category 3; Respiratory System).

### 2.2 LABEL ELEMENTS (suggested):

#### Hazard Pictograms



#### Signal Word

WARNING.

#### Hazard Statements

Harmful if inhaled or swallowed. Causes skin and serious eye irritation. May cause respiratory irritation.

#### Precautionary Statements

##### Prevention

Keep out of reach of children.  
Use only outdoors or in well-ventilated area.  
Wash hands thoroughly after use.  
Do not eat, drink, or smoke when using this product.  
Wear eye protection/face protection/protective clothing/protective gloves.

## SECTION 2: HAZARD IDENTIFICATION (Continued)

<b>Response</b>	IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell. 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: Wash with plenty of water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash it before reuse.
<b>Storage</b>	None specified. See section 7 for details.
<b>Disposal</b>	Dispose of contents/container in accordance with local/ regional/ national/ international regulations.

### 2.3 OTHER PERTINENT HAZARDS NOT OTHERWISE CLASSIFIED

- **OTHER POTENTIAL HEALTH EFFECTS:** Ingestion of large quantities may cause nausea, and vomiting.

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 SUBSTANCES/MIXTURES

CHEMICAL	CAS NUMBER	GHS HAZARD CLASSIFICATION FOR CHEMICAL	% (w/w)
Diethylene Glycol Monoethyl Ether	111-90-0	Not classified as hazardous.	Proprietary <sup>1</sup>
Texanol	25265-77-4	Acute Toxicity, Oral (Category 5)	Proprietary
Tri(butoxyethyl) phosphate	78-51-3	Acute toxicity, Inhalation (Category 4), Acute toxicity, Dermal (Category 4), Skin irritation (Category 2), Eye irritation (Category 2A); Specific target organ toxicity - single exposure (Category 3), Respiratory system; Acute aquatic toxicity (Category 3); Chronic aquatic toxicity (Category 3)	Proprietary
Acrylic Acid Polymer	25987-66-0	Not classified as hazardous.	Proprietary
Zinc Oxide	1314-13-2	Acute aquatic toxicity (Category 1), H400 Chronic aquatic toxicity (Category 1), H410	Balance

## SECTION 4: FIRST AID MEASURES

### 4.1 DESCRIPTION OF FIRST AID MEASURES

#### AREA EXPOSED

<b>Eye Contact</b>	Flush with copious amounts of water for 15 minutes. "Roll" eyes during flush. Check for and remove contact lenses. Seek medical attention if irritation persists.
<b>Skin Contact</b>	Flush area with warm, running water for several minutes. Seek medical attention if irritation persists.
<b>Inhalation</b>	Obtain fresh air.
<b>Ingestion</b>	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.

<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 (Continued)

### 4.2 MOST IMPORTANT ACUTE AND CHRONIC EXPOSURE SYMPTOMS

- **ACUTE HEALTH EFFECTS:**

**AREA EXPOSED**

<b>Eye Contact</b>	Causes serious eye irritation.
<b>Skin Contact</b>	Causes mild to moderate skin irritation, depending on duration of contact.
<b>Inhalation</b>	May cause mild respiratory tract irritation; symptoms may include coughing and sneezing depending on volume of mist/spray inhaled.
<b>Ingestion</b>	May cause gastrointestinal system irritation; symptoms may include pain, sore throat, nausea and vomiting if large volumes are ingested.

- **CHRONIC HEALTH EFFECTS:** Not applicable.

- **TARGET ORGANS:** Skin eyes.

- **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

### 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.

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

- **NFPA FLAMMABILITY CLASSIFICATION:**

NFPA Rating



NFPA Classification      Not flammable.

- **UNUSUAL HAZARDS IN FIRE SITUATIONS:**

**Decomposition Products**      Carbon dioxide, carbon monoxide, phosphorous and zinc compounds, and irritating vapors.

**Explosion Sensitivity to Mechanical Impact**      Not applicable.

**Explosion Sensitivity to Static Discharge**      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. 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

### 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.
- **RESPONSE PROCEDURES FOR ANY RELEASE:** Absorb spilled liquid with polypads or other suitable absorbent materials. Rinse area thoroughly. 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

<b>Hygiene Practices</b>	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 eyes. Remove contaminated clothing promptly. Clean up spilled product immediately.
<b>Handling Practices</b>	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

<b>Storage Practices</b>	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.
<b>Incompatibilities</b>	See Section 10 (Stability and Reactivity).



## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

- AIRBORNE EXPOSURE LIMITS:** Not applicable.

COMPONENT	ACGIH TLV	OSHA PEL	NIOSH REL	OTHER
Diethylene Glycol Monoethyl Ether	NE	NE	NE	25 ppm [American Industrial Hygienists Workplace Environmental Exposure Levels (WEEL)]
Zinc Oxide	2 mg/m <sup>3</sup> (TWA); 10 mg/m <sup>3</sup> (STEL) Respirable Fraction)	5 mg/m <sup>3</sup> (TWA Respirable Fraction); 15 mg/m <sup>3</sup> (TWA, Total Dust)	5 mg/m <sup>3</sup> (TWA Total Dust); 15 mg/m <sup>3</sup> (C, Total Dust)	NE

- BIOLOGICAL OCCUPATIONAL EXPOSURE LIMITS:** Not established.

### 8.2 EXPOSURE CONTROLS

<b>Engineering Controls</b>	Use in well-ventilated environment.
<b>Respiratory Protection</b>	None needed in normal circumstances of use.
<b>Hand Protection</b>	Neoprene, PVC, or butyl gloves are recommended. Ensure gloves are intact prior to use.
<b>Eye Protection</b>	Safety glasses.
<b>Body Protection</b>	Standard protection used in janitorial service.

### 8.3 PERSONAL PROTECTION SYMBOLS

Hand Protection



Eye Protection



## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Opaque, white liquid.
<b>Odor</b>	Bland.
<b>Odor Threshold</b>	Not determined.
<b>pH</b>	7.5-9.0
<b>Melting Point/Freezing Point</b>	Not determined.
<b>Initial Boiling Point/Boiling Range</b>	> 99°C (210 °F).
<b>Flash Point</b>	Not applicable.
<b>Evaporation Rate (Water = 1)</b>	Not determined.
<b>Flammability</b>	Not applicable.
<b>Upper/Lower Explosive Limits</b>	Not applicable.
<b>Vapor Pressure</b>	Not determined.
<b>Vapor Density</b>	Not determined.
<b>Relative Density (Density)</b>	Approx. 1.03 (8.6 lb/gal)
<b>Solubility</b>	Completely soluble in water.
<b>Partition Coefficient/n-octanol/water</b>	Not determined.
<b>Autoignition Temperature</b>	Not applicable.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	Not determined.

### 9.2 OTHER INFORMATION

- VOC Information:** Not applicable. **VOC (less water & exempt):** <1.0 g/L. **WEIGHT% VOC:** < 0. 1%.

## SECTION 10: STABILITY AND REACTIVITY

### 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

- This product is not self-reactive, water-reactive, or air-reactive.
- This product will not undergo hazardous polymerization.

### 10.4 CONDITIONS TO AVOID

- Avoid contact with incompatible chemicals.

### 10.5 INCOMPATIBLE MATERIALS

- Strong oxidizing agents, strong acids, cationic agents.

### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

- Products of thermal decomposition of this product include oxides of carbon (i.e., carbon monoxide and carbon dioxide) as well as phosphorous and zinc compounds.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

#### • ACUTE TOXICITY:

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

#### DIETHYLENE GLYCOL MONOETHYL ETHER

LD50 (oral, rat) = 10,502 mg/kg  
LD50 (dermal, rabbit) = 9143 mg/kg  
LC50 (Inhalation, rat) > 200 mg/L

#### TEXANOL

LD50 (oral, rat) = 6,500 mg/kg  
LD50 (dermal, rabbit) = 15,200 mg/kg

#### TRI(BUTOXYETHYL) PHOSPHATE

LD50 (oral, rat) = 3,000 mg/kg  
LD50 (dermal, rabbit) = 2050 mg/kg  
LC50 (Inhalation, rat) > 6.4 mg/L – 4 hours

#### ZINC OXIDE

LD50 (oral, mouse) = 7.950 mg/kg  
LD50 (inhalation, mouse) = 2,300 mg/m<sup>3</sup>

- **DEGREE OF IRRITATION:** Irritating to the skin and eyes. See Section 4 (First Aid Measures) for more details. The following data are available for components of this product:

#### DIETHYLENE GLYCOL MONOETHYL ETHER

Skin, Rabbit = Mild  
Eyes, Rabbit = Mild

#### TEXANOL

Skin, Rabbit = No Irritation

#### ZINC OXIDE

Skin, Rabbit = Mild irritation/24 hours  
Eyes, Rabbit = Mild irritation/24 hours

- **SENSITIZATION:** The components of this product are 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>	Very 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>	Causes gastrointestinal system irritation and other adverse effects.

## SECTION 11: TOXICOLOGICAL INFORMATION (Continued)

- **CHRONIC TOXICITY:**
  - **CARCINOGENICITY STATUS:** Not applicable.
  - **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:** Not applicable.
  - **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

### 12.1 TOXICITY

- Based on available data, this product may be harmful or fatal 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.

**DIETHYLENE GLYCOL MONOETHYL ETHER**  
LC50 (Pimephales promelas): 9,650 mg/L - 96 hours  
LC50 (Daphnia magna): 3,340 mg/L - 48 hours

**TRI(BUTOXYETHYL) PHOSPHATE**  
LC50 (Oncorhynchus mykiss): 24 mg/L - 96 hours  
EC50 (Daphnia magna): 53 mg/L - 48 hours  
LC50 (Inhalation, rat) > 6.4 mg/L – 4 hours

**TEXANOL**  
LC50 (Pimephales promelas): 33 mg/L - 96 hours  
EC50 (Daphnia magna): 147.8 mg/L - 48 hours  
EC50 (Selenastrum capricornutum): 18.4 mg/L - 72 hours

**ZINC OXIDE**  
LC50 (Oncorhynchus mykiss): 1.1 mg/L - 96.0 hours  
EC50 (Daphnia magna): 0.098 mg/L - 48 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. The following data are available for components of this product:
  - **TEXANOL:** Aerobic - Exposure time 28 days; Result: 98 % - Readily biodegradable.

### 12.3 BIOACCUMULATIVE POTENTIAL

- This product is not anticipated to bioaccumulate significantly. The following data are available for components of this product:
  - **TRI(BUTOXYETHYL) PHOSPHATE:** Bioconcentration factor  $\leq$  5.8

### 12.4 MOBILITY IN SOIL

- It is 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

- Dispose of 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. SARA 313:** Diethylene Glycol Monoethyl Ether as Zinc Oxide (as zinc compounds) are subject to reporting levels established by SARA Title III, Section 313.
- 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: 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 20, 2015
- SUPERCEDES:** November 12, 2014
- CHANGE INDICATED:** Update of OSHA Hazard Communication Standard (29 CFR 1910.1200).

## SECTION 16: OTHER INFORMATION (Continued)

### 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
- ESIS – European chemical Substances Information System <http://esis.jrc.ec.europa.eu/>

### 16.3 HAZARDOUS MATERIALS CLASSIFICATION SYSTEM

#### Product as SOLD

Health 1

Flammability 0

Physical Hazard 0

Protective Equipment B

HMS Personal Protective Equipment Rating: Occupational Use situations: B - Safety glasses and gloves.

### 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.P.) and boiling point (BP) to classify flammable or combustible liquids. Class IA: F.P. below 73°F and BP below 100°F. Class IB: F.P. below 73°F and BP at or above 100°F. Class IC: F.P. at or above 73°F and BP at or above 100°F. Class II: F.P. at or above 100°F and below 140°F. Class IIIA: F.P. at or above 140°F and below 200°F. Class IIIB: F.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: LD<sub>xx</sub>or LC<sub>xx</sub>: 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. TD<sub>xx</sub>or TC<sub>xx</sub>: 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.

# MATERIAL SAFETY DATA SHEET

## WORKING COPY

Date Issued: 09/27/2007  
MSDS No: 350000003597  
Revision No: New MSDS

### FUTURE® PREMIUM FLOOR FINISH

#### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** FUTURE® PREMIUM FLOOR FINISH  
**GENERAL USE:** Floor care

**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

#### 2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**

**APPEARANCE/ODOR:** Translucent liquid. Fragrant odor.

**IMMEDIATE CONCERNS:** Avoid contact with eyes, skin and clothing.

**POTENTIAL HEALTH EFFECTS**

**EYES:** May cause: Mild eye irritation.

**SKIN:** None known.

**INGESTION:** None known.

**INHALATION:** None known.

**MEDICAL CONDITIONS AGGRAVATED:** None known.

**ROUTES OF ENTRY:** Eye contact. Skin contact. Inhalation. Ingestion.

#### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Tributoxy ethyl phosphate	1 - 5	000078-51-3
Diethylene glycol ethyl ether	1 - 5	000111-90-0
Modified Acrylic Copolymer	10 - 20	000000-00-0
Water	80 - 90	007732-18-5

#### 4. FIRST AID MEASURES

# MATERIAL SAFETY DATA SHEET

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**Date Issued: 09/27/2007**  
**MSDS No: 350000003597**  
**Revision No: New MSDS**

### FUTURE® PREMIUM FLOOR FINISH

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

**SKIN:** Rinse with plenty of water. 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:** None

**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.

#### 6. ACCIDENTAL RELEASE MEASURES

**GENERAL PROCEDURES:** Absorb with oil-dri or similar inert material. Sweep or scrape up and containerize. Rinse affected area thoroughly with water.

#### 7. HANDLING AND STORAGE

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

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

**STORAGE:** Store in a cool, dry place with adequate ventilation. Keep from freezing.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** General room ventilation adequate.

##### 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.

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Revision No: New MSDS

### FUTURE® PREMIUM FLOOR FINISH

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

**COMMENTS:** ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Fragrant

**COLOR:** Translucent

**pH:** 8.3 to 8.7

**PERCENT VOLATILE:** > 80%

**VAPOR PRESSURE:** Not Available

**BOILING POINT:** > 93°C (200°F)

**FREEZING POINT:** < 0°C (32°F)

**FLASHPOINT AND METHOD:** None

**SOLUBILITY IN WATER:** Dispersible

**EVAPORATION RATE:** Not Available

**SPECIFIC GRAVITY:** 1.026

**(VOC):** Not Available

#### 10. STABILITY AND REACTIVITY

**STABILITY:** Stable

**POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** None known.

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

**INCOMPATIBLE MATERIALS:** No special requirements.

#### 11. TOXICOLOGICAL INFORMATION

##### ACUTE

**DERMAL LD<sub>50</sub>:** Not Available

**ORAL LD<sub>50</sub>:** Estimated to be greater than 5000 mg/kg (rats).

**INHALATION LC<sub>50</sub>:** Not Available



# MATERIAL SAFETY DATA SHEET

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### FUTURE® PREMIUM FLOOR FINISH

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**CHRONIC:** None known.

**CARCINOGENICITY**

**Notes:** 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:** No special method. Observe all applicable Federal/ Provincial/ State regulations and Local/ Municipal ordinances regarding disposal of non-hazardous materials.

#### 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Not Regulated

**PRIMARY HAZARD CLASS/DIVISION:** Not Regulated

**UN/NA NUMBER:** None

**PACKING GROUP:** None

**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

# MATERIAL SAFETY DATA SHEET

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Date Issued: 09/27/2007  
MSDS No: 350000003597  
Revision No: New MSDS

### FUTURE® PREMIUM FLOOR FINISH

**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.

##### STATES WITH SPECIAL REQUIREMENTS

Chemical Name	Requirements
Tributoxy ethyl phosphate	78-51-3 is included on the following U.S. State Government Lists: New Jersey Right-to-Know Substances List Pennsylvania Right-to-Know Hazardous Substances List
Diethylene glycol ethyl ether	111-90-0 is included on the following U.S. State Government Lists: 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:** Not Regulated

**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

# MATERIAL SAFETY DATA SHEET

## WORKING COPY

Date Issued: 09/27/2007  
 MSDS No: 350000003597  
 Revision No: New MSDS

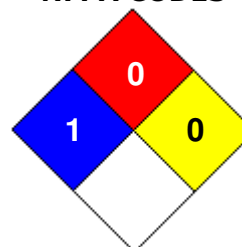
### FUTURE® PREMIUM FLOOR FINISH

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#### HMIS RATING

<b>HEALTH:</b>	<input type="checkbox"/>	<b>1</b>
<b>FLAMMABILITY:</b>	<input type="checkbox"/>	<b>0</b>
<b>PHYSICAL HAZARD:</b>	<input type="checkbox"/>	<b>0</b>
<b>PERSONAL PROTECTION:</b>		

#### NFPA CODES



**MANUFACTURER DISCLAIMER:** 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.



# MATERIAL SAFETY DATA SHEET

HIGH NOON Urethane  
Finish

MSDS Ref. No: 4003  
Date Prepared: 05/20/2003  
Date Revised: 05/20/2003

## 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME/USE: HIGH NOON Urethane Finish

PRODUCT CODE: 3679=2922682

### MANUFACTURER

The Butcher Company  
67 Forest Street  
Marlborough, MA 01752-3012

**Butcher Telephone Number:** 800-225-9475  
**Emergency Telephone (24 hours):** 800-228-5635  
**CHEMTREC (U.S./Can.):** 800-424-9300  
**CHEMTREC (Int'l):** +1 703-527-3887

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>INGREDIENT(S)</u>	<u>CAS#</u>	<u>% BY WEIGHT</u>
Diethylene glycol methyl ether	111-77-3	5 - 7
Dibutyl phthalate	84-74-2	0.25 - 1.0
Ammonia	7664-41-7	< 0.1

See Section 8 for Exposure Limits NA - Not Applicable

OSHA REGULATORY STATUS: This product is classified as hazardous under OSHA regulations.

WHMIS CLASS: Class D-Division 2A

## 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**

Slightly Opaque, White Liquid . Sweet Odor. Product Does Not Present a Significant Immediate Concern for Emergency Response Personnel.

### POTENTIAL HEALTH EFFECTS (See Section 11 for Toxicological Information)

PRIMARY ROUTE(S) OF EXPOSURE:  Eye       Skin Contact       Skin Absorption  
 Inhalation       Ingestion

### EFFECTS OF ACUTE EXPOSURE

**EYES:** Non-irritating to the eyes, but may cause temporary redness or discomfort.

**SKIN:** Non-irritating to the skin.

**INHALATION:** High concentrations of vapor or mist may cause nose, throat and respiratory tract irritation. Symptoms may include coughing.

**INGESTION:** May cause mild mouth, throat and stomach irritation. Symptoms may include nausea.

**EFFECTS OF CHRONIC EXPOSURE:** Prolonged or repeated contact may cause skin irritation.

**MEDICAL CONDITIONS AGGRAVATED:** None known.

#### 4. FIRST AID MEASURES

**EYES:** Flush eyes with plenty of water while holding eyelids apart. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Do not put any medication in the victim's eyes unless instructed by a physician. Get medical attention if irritation develops.

**SKIN:** Flush with water, then wash with soap and water. Remove saturated clothing. Get medical attention if irritation develops.

**INHALATION:** Remove to fresh air. Get medical attention if symptoms persist.

**INGESTION:** Do not induce vomiting. Drink large quantities of water. Get medical attention.

#### 5. FIRE FIGHTING MEASURES

**FLASH POINT AND METHOD:** > 93°C (200°F)TCC

**FLAMMABLE LIMITS:** Not applicable.

**AUTOIGNITION TEMPERATURE:** Not applicable.

**EXTINGUISHING MEDIA:** Use extinguishing media appropriate for surrounding fire.

**HAZARDOUS COMBUSTION PRODUCTS:** Normal products of combustion (carbon monoxide and carbon dioxide).

**FIRE AND EXPLOSION HAZARDS:** None known.

**FIRE FIGHTING INSTRUCTIONS:** This product is not flammable. As in any fire, MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear should be worn.

#### 6. ACCIDENTAL RELEASE MEASURES

See Section 8, Exposure Controls/Personal Protection and Section 3, Hazard Identification. Floors may be slippery. Use care to avoid falling. Contain and isolate spill. Prevent from entering sewers and waterways. Keep non-essential personnel from entering spill area. Use mop, absorbent, or wet vacuum to collect material for proper disposal. Rinse area with water.

#### 7. HANDLING AND STORAGE

**HANDLING:** Follow label use directions. Do not mix with other chemicals unless instructed by label directions. Avoid contact with skin, eyes and clothing. Use with adequate ventilation. Avoid breathing vapor or mist. Wash thoroughly after handling. Remove contaminated clothing. Wash clothing and equipment before reuse.

**STORAGE:** Keep container closed when not in use. Keep from freezing.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

##### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**EYE:** Not required under normal conditions of use.

**SKIN:** Where prolonged or repeated contact is possible, chemical-resistant clothing (e.g., gloves) is recommended.

**RESPIRATORY:** No respiratory protection is required if ventilation is adequate.

**ENGINEERING CONTROLS:** Good general room ventilation is expected to be adequate. Local exhaust ventilation (e.g., fans) may be necessary when general ventilation does not keep airborne concentrations below exposure limits.

**EXPOSURE LIMITS:**

<u>INGREDIENT(S)</u>	<u>OSHA PEL/STEL</u>	<u>ACGIH TLV/STEL</u>
Diethylene glycol methyl ether	NA	NA
Dibutyl phthalate	5 mg/m3	5 mg/m3
Ammonia	50 ppm 35 mg/m3 / 35 ppm 27 mg/m3	25 ppm 17 mg/m3 / 35 ppm 24 mg/m3

NA - Not Available

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Liquid  
**ODOR:** Sweet  
**APPEARANCE:** Slightly Opaque, White  
**pH:** 8.0 to 8.4  
**PERCENT VOLATILE BY WEIGHT:** 80  
**VAPOR PRESSURE:** Not Available  
**VAPOR DENSITY:** Not Available  
**BOILING POINT:** Not Available  
**FREEZING/MELTING POINT:** Not Available  
**SOLUBILITY IN WATER:** Dispersible  
**EVAPORATION RATE:** Not Available  
**SPECIFIC GRAVITY:** 1.04  
**VISCOSITY:** 1.8 to 4.5cps  
**OCTANOL/WATER PARTITION COEFFICIENT:** Not Available  
**ODOR THRESHOLD:** Not Available

**10. STABILITY AND REACTIVITY**

**STABILITY (CONDITIONS TO AVOID):** Stable.  
**POLYMERIZATION:** Will not occur.  
**HAZARDOUS DECOMPOSITION:** None known.  
**INCOMPATIBLE MATERIALS:** None known.

**11. TOXICOLOGICAL INFORMATION**

**ACUTE DATA:** This product was found to be non-irritating to eyes; a similar product was non-irritating to skin. Acute overexposure to high concentrations of diethylene glycol methyl ether by ingestion has caused thymus effects in laboratory animals. The following additional data are available for product ingredients:

<u>PRODUCT/INGREDIENT</u>	<u>ORAL LD<sub>50</sub> (rat)</u>	<u>DERMAL LD<sub>50</sub> (rabbit)</u>	<u>INHALATION LC<sub>50</sub> (rat)</u>
Diethylene glycol methyl ether	5500 - mg/kg	6540 - mg/kg	200 - mg/L (1-hr)
Dibutyl phthalate	8000 - mg/kg	>20000 - mg/kg	17680 - mg/m3 (4-hr)
Ammonia	350 - mg/kg	Not Available	3670 - ppm (4-hr)

**SENSITIZATION DATA:** No data available.

**CHRONIC DATA:**

Prolonged overexposure to diethylene glycol methyl ether by ingestion has caused liver, kidney, thymus and testes effects in laboratory animals; prolonged overexposure by dermal absorption has also caused liver and spleen effects in laboratory animals.

**REPRODUCTIVE/TERATOGENIC DATA:** Prolonged dermal exposure to diethylene glycol methyl ether has caused slight fetotoxicity (delayed development) in laboratory animals; prolonged overexposure by ingestion has caused teratogenic effects in laboratory animals. Prolonged overexposure to dibutyl phthalate by ingestion has caused reproductive and teratogenic effects in laboratory animals.

**CARCINOGENIC/MUTAGENIC DATA:** Not listed as carcinogenic by NTP, IARC, or ACGIH or regulated as a carcinogen by OSHA.

**SYNERGISTIC MATERIALS:** No data available.

**12. ECOLOGICAL INFORMATION**

No data available.

**13. DISPOSAL CONSIDERATIONS**

Disposal of this material should be in accordance with local, state or provincial and federal regulations. The unused product, as manufactured, is a RCRA non-hazardous waste in accordance with 40 CFR 261. The product has not been evaluated by the Toxicity Characteristic Leachate Procedure (TCLP). According to RCRA, it is the responsibility of the waste generator to ensure proper disposal.

**14. TRANSPORT INFORMATION**

**DOT/TDG HAZARDOUS MATERIAL DESCRIPTION:** Not regulated

**15. REGULATORY INFORMATION**

*Not meant to be all-inclusive---selected regulations represented.*

**UNITED STATES**

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** Under 40 CFR 370.2, this product meets the following hazard category: Delayed.

**313 REPORTABLE INGREDIENTS:** Diethylene glycol methyl ether is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 under the chemical category Glycol Ethers.

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

**CERCLA REGULATORY:** This product contains dibutyl phthalate. If 135 gallons of total product are released, notification to the National Response Center (1-800-424-8802) is required.

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA STATUS:** This product complies with all TSCA inventory requirements.

**MASSACHUSETTS, NEW JERSEY, PENNSYLVANIA RIGHT-TO-KNOW:**

**INGREDIENT(S)**

Water  
 Acrylic polymer  
 Diethylene glycol methyl ether  
 NJ Trade Secret Registry #11173400-5022P  
 Tributoxyethyl phosphate

**CAS NO.    STATE LISTING**

7732-18-5    Not Listed  
 NA    Not Listed  
 111-77-3    MA, PA  
 NA    Not Listed  
 78-51-3    Not Listed

*NA - Not Applicable*

**CANADA**

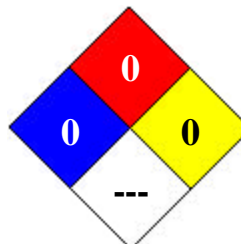
**WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):** Class D-Division 2A; reproductive and teratogenic effects. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**16. OTHER INFORMATION**

**HMIS RATING**

<b>HEALTH</b>	*	<b>0</b>
<b>FLAMMABILITY</b>		<b>0</b>
<b>REACTIVITY</b>		<b>0</b>
<b>PERSONAL PROTECTION</b>	-	

**NFPA CODES:**



**APPROVED BY:** Product Safety & Regulatory

**MSDS STATUS**

**Revision No:** 4

Revision #: 4

This MSDS replaces the October 23, 2002 MSDS. Any changes in information are as follows:

In Section 1

Approved by Date Prepared

In Section 10

Hazardous Decomposition Products

**APPROVAL DATE:** 05/20/2003

*The information on this data sheet represents our current data and best opinion as to the proper use in handling of the product under normal foreseeable conditions. Any use of this product which is not in conformance with this data sheet or product label, or which involves using the product in combination with any other product or any other process is the responsibility of the user.*





## K2R SPOT LIFTER

### MATERIAL SAFETY DATA SHEET

#### SECTION 1-CHEMICAL PRODUCT & COMPANY IDENTIFICATION

**PRODUCT NAME:** K2R SPOT LIFTER  
**CAS NUMBER:** MIXTURE  
**Description:** SPOT LIFTER  
**Manufacturer:** LOSOREA  
313 Bell Park Drive  
Woodstock, Georgia 30188

**EMERGENCY TELEPHONE:** CHEMTREC 1-800-424-9300

General Assistance: 1-877-320-4747

#### SECTION 2- COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT(S)	CAS #	% by Weight
Methyl Acetate	79-20-9	60-70%
Acetone	67-64-1	2-12%
Liquefied Petroleum Gas	68476-86-8	20-30%

*The chemical composition and percentages are considered trade secrets. Refer to Section 8 for exposure limits and recommendations.*

#### SECTION 3- HAZARDS IDENTIFICATION

**Emergency Overview:** Product is EXTREMELY flammable. Pressurized container may explode when exposed to heat or flame. Contact may cause skin and eye irritation. Mist may cause nose and throat irritation. Ingestion may cause nausea, vomiting, pain, upset stomach, and diarrhea.

**Potential health effects:** **Skin Contact:** This product may cause irritation to the skin. Prolonged or repeated contact with this product may dry and/or defat the skin. This product may be harmful if it is absorbed through the skin. **Eye Contact:** Liquid or vapors may irritate the eyes. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Eye contact may lead to permanent damage if not treated promptly. **Ingestion:** This product is harmful if swallowed. Ingestion can cause gastrointestinal irritation, nausea, and diarrhea. **Target Organs:** Central Nervous System, lungs, skin, eyes. **Inhalation:** This product may cause dizziness, nausea, upper respiratory irritation, drowsiness, mental depression or narcosis, difficulty in breathing, irregular heart beats. See Section 8 for recommended exposure limits.

## SECTION 4- FIRST AID MEASURES

**Skin:** For skin contact, wash immediately with soap and water. If irritation persists, get medical attention. **Eye:** Immediately flush with plenty of water for at least 15 minutes, holding eyelids open at all times. Get medical attention immediately. **Inhalation:** Move person to non-contaminated air. If the affected person is not breathing, apply artificial respiration. Call a physician if symptoms develop or persist. **Ingestion:** If the material is swallowed, get immediate medical attention or advice. DO NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Seek immediate medical attention. Do not give anything.

## SECTION 5- FIRE FIGHTING MEASURES

**Extinguishing Media:** Use dry chemical, carbon dioxide, or foam. Use water to cool fire-exposed containers and to protect personnel. Do not direct a solid stream of water or foam into hot, burning pools this may result in frothing and increase fire intensity. **Basic Fire Fighting Procedures:** Dangerous when exposed to heat or flame. This material can be ignited by flame or spark under normal atmospheric condition. Vapors are heavier than air and may travel along the ground to some distant source of ignition and flash back. Pressurized Container: May explode when exposed to heat or flame. Empty containers may retain product residue including Flammable or Explosive vapors. DO NOT cut, drill, grind, or weld near full, partially full, or empty product containers. **Dust Explosion Hazard:** None known. **Sensitivity To Mechanical Impact:** Container could potentially burst or be punctured upon mechanical impact, releasing flammable vapors. **Unusual Fire & Explosion Hazards:** During a fire, irritating and highly toxic gases may be generated during combustion or decomposition. High temperatures can cause sealed containers to rupture due to a build up of internal pressures. Cool with water. **Fire Fighting Equipment/Instructions:** Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

**Flash Point: concentrate: > -13C      propellant: -156 F**

<b>Flammability limits in air:</b> 16 upper % by volume concentrate	3.1 lower % by volume concentrate
9.2 upper % by volume propellant	1.8 lower % by volume propellant

## SECTION 6- ACCIDENTAL RELEASE MEASURES

**Emergency Action:** Evacuate the area promptly and keep upwind of the spilled material. Isolate the spill area to prevent people from entering. Wear appropriate protective equipment and clothing during clean-up. **Containment:** Stop discharge if safe to do so. Stop material from contaminating soil or from entering sewers or water streams. Cover spills with non-flammable absorbent and place in closed chemical waste containers.

## SECTION 7- HANDLING & STORAGE

**Handling:** Keep this product away from heat, sparks or open flame. Avoid getting this material into contact with your skin and eyes. Avoid breathing mists or aerosols of this product. Use this product with adequate ventilation. Do not reuse the empty container. **Storage:** Store in a cool, dry, well-ventilated area. Do not handle or store near an open flame, heat or other sources of ignition. Keep out of direct sunlight. Do not store above 120F (49 C). **Empty Container Precautions:** Attention! Follow label warnings even after container is emptied since empty containers may retain product residues. Do not reuse empty container.

## SECTION 8- EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product. **Eye Protection:** Wear goggles or safety glasses with side shields. **Skin and Body Protection:** Impervious gloves should be used when handling this product. Use of protective coveralls and long sleeves is recommended. **Respiratory Protection:** Use NIOSH approved respiratory protection. High airborne concentrations may necessitate the use of self-contained breathing apparatus (SCBA). **General:** Use good hygiene practices in handling this material.

Exposure Limits: Component(s)	(PARTS PER MILLION)			SARA 313	Prop 65	VOC
	TLV	OSHA-PEL	OSHA-STEL			
Methyl Acetate	200ppm		250ppm			
Acetone	500ppm	1000ppm	750ppm			
Liquefied Petroleum Gas	1000ppm					X

Other raw material is considered trade secret.

## SECTION 9- PHYSICAL & CHEMICAL PROPERTIES

<b>Solids:</b> N/A	<b>Evaporation Rate:</b> >1 (butyl acetate=1)
<b>PH:</b> N/A	<b>Boiling Point:</b> 136F
<b>Specific Gravity:</b> 0.9342	<b>Color:</b> white
<b>Physical State:</b> Liquid	<b>Odor:</b> Characteristic
<b>%VOC:</b> 25%	<b>VOC (grams per liter):</b> 233.43 g/l

## SECTION 10-STABILITY & REACTIVITY

Hazardous polymerization will not occur. Condition to avoid: Keep away from sources of ignition. Avoid contact with strong oxidizers, reducers, acids, and alkalis. Stability: This product is stable under normal conditions.

## SECTION 11-TOXICOLOGICAL INFORMATION

**Acetone:** Oral LD50: 5,800 mg/kg (rat)  
 Inhalation LC50: >16000ppm/4H  
 Dermal LD50: >20,000 mg/kg

**Methyl Acetate:** Oral LD50: 6970 mg/kg (rat)  
 Inhalation LC50: >16000ppm/4H  
 Dermal LD50: >5000 mg/kg (rabbit)

**Liquefied Petroleum Gas:** Inhalation LC50: 658 mg/L/4H (rat)

## SECTION 12-ECOLOGICAL INFORMATION

No information available

## SECTION 13-DISPOSAL CONSIDERATIONS

We make no guarantee of warranty of any kind that the use of and/or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

**Waste Disposal:** Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

## SECTION 14-TRANSPORTATION INFORMATION

Ground Transportation: (Continental United States, Canada & Mexico): Consumer Commodity ORM-D

Ocean: UN 1950 Class 2.1 Aerosols, Limited Quantity

Air: We do NOT recommend this product to be shipped via air. It would need to be repacked by an authorized packing company and the DG would have to be completed by a licensed hazardous material shipping company.

## SECTION 15- REGULATORY INFORMATION

**Methyl Acetate:** TSCA Inventory  
SARA 311/312: Acute Health  
Chronic Health  
Fire Hazard

**Acetone:** SARA 311/312: Acute Health  
Fire Hazard

**Liquefied Petroleum Gas:** TSCA Inventory

## SECTION 16-Other Information

	H.M.I.S
HEALTH	2
FLAMMABILITY	3
REACTIVITY	1

The information in this MATERIAL SAFETY DATA SHEET is pursuant to 29 CFR 1910.1200 to convey information concerning the hazardous nature of this product. The information supplied was compiled from

the most reliable sources available at the time of preparation and in light of the most reasonable foreseeable exposure situations expected from the intended use of this product. The material(s) may present greater or lesser hazard under other circumstances that are beyond the control of the manufacturer. Therefore it is imperative that all direction and warnings on the label be read and understood.

**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.

Identity # 930170

Name MAGIC GEL

### Section 1

Manufactured For - Waxie Sanitary Supply

Address - 9353 Waxie Way      Emergency Phone (Chem-Tel) 1-(800) 225-3924

City - San Diego      State - CA 92123-1036      Phone - (800) 995-4466

Date Prepared      4/20/04

### Section 2 - Hazardous Ingredients/Identity Information

Hazardous Components	CAS#	OSHA PEL	ACGIH TLV	Weight% (Optional)
None	NONE	NONE	NONE	

### Note:

VOC Content- <10 g/L

### Section 3 - Physical/Chemical Characteristics

Boiling Point >212 F

Specific Gravity 1.005

Vapor Pressure - Not Tested

Melting Point - Not Tested

Vapor Density - Not Tested

Evaporation Rate - Not Tested

Solubility In Water 100%

Appearance and Odor- OPAQUE WHITE, CITRUS ODOR

### Section 4 - Fire and Explosion Hazard Data

Flash Point None

Flammable Limits - Not Tested

LEL- Not Tested

UEL- Not Tested

pH- 6.5-8.5

DOT# NONE

NFPA Hazard Rating - H	F	R	S	HMIS Hazard Rating	H	F	R
(0- Least, 4- Extreme)	0	0	0	0	0	0	0

Extinguishing Media None

Special Fire Fighting Procedures NONE

Unusual Fire and Explosion Hazards- NONE

### Section 5 - Reactivity Data

Stability - Stable

Conditions to Avoid - None

Incompatible Materials to Avoid- Strong Oxidizers

Hazardous Decomposition or Byproducts- CO, CO2

Hazardous Polymerization- NONE

Conditions to Avoid- None



## Section 6 - Health Hazard Data

### Routes of Entry

Inhalation? - Possible

Skin? - Possible

Ingestion? - Possible

Health Hazards - Same as Signs and Symptoms of Exposures

Note - All Chemicals in this Product are Found on the TSCA Inventory List.

OSHA Carcinogenicity? - None; NTP? - None; IARC Monographs? - None. # 930170

Signs and symptoms of over exposure:

Eyes - Burning Sensation

Skin- Not Expected to be a Problem

Ingestion Nausea

Inhalation Not Expected to be a Problem

Medical Conditions Generally Aggravated by Exposure - Same as Signs and Symptoms of Over Exposure.

### Emergency and First Aid Procedures

Eyes - Flush With Water For 15 Minutes. If Irritation Persists, Call Physician.

Skin- Wash Off With Soap & Water

Ingestion Drink Large Amounts of Water, Call Physician

Inhalation See Above

## Section 7 - Precautions For Safe Handling and Use.

Steps to be taken in case material is released or spilled - Soak up with inert, absorbant material. Scoop up and place in a proper waste disposal container.

Waste Disposal Method - Dispose of in accordance with state and local regulations.

Precautions To Be Taken In Handling and Storing - Store in a cool, dry place, out of direct sunlight. Do not freeze, less than or equal to 32 F, or heat above 110 F.

Other Precautions - Keep out of reach of children. Follow directions on the container for proper use of this

## Section 8 - Control Measures

Respiratory Protection - Open all doors and windows. "If" there is an exposure, and it is above the TLV or PEL, a NIOSH approved respirator equipped for the exposure or suitable respiratory protection per 29 CRF 1910.134, is required.

Ventilation	Local Exhaust - If Available	Special - None
	Mechanical - If Available	Other - None

Protective Gloves - None

Eye Protection- None

Other Protective Clothing or Equipment- None

Work Hygenic Practices - Use common sense and care around chemicals. Never mix chemicals. Consult your supervisor for other practices. All practices depend on your specific business. Directions for use are normally found on label which will dictate engineering and control measures.

Other Special Requirement

Note: Genlabs believes the data set forth are accurate, Genlabs makes no warranty with respects thereto and disclaims all liability for reliance thereon. Such data are offered solely for consideration, investigation and verification. Also, the data set forth is for the concentrated finished product. All lab samples are for experimental purposes only and used at the customers discretion

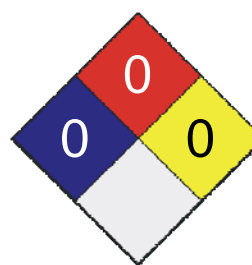
## 1. Product and Company Identification

**Product Name** MOP & GLO® - Wood Floor Cleaner  
**UPC CODES** Refer to Section 16  
**CAS #** Mixture  
**Product use** Floor Cleaner  
**Manufacturer** Reckitt Benckiser  
 Morris Corporate Center IV  
 399 Interpace Parkway  
 P.O. Box 225  
 Parsippany, NJ 07054-0225  
 In Case of Emergency: 1-800-228-4722  
 Transportation Emergencies: 24 Hour Number:

North America: CHEMTREC: 1-800-424-9300  
 Outside North America: 1-703-527-3887

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

Health	/ 0
Flammability	0
Physical Hazard	0
Personal Protection	A



## 2. Hazards Identification

**Emergency overview** There is no known adverse effect from exposure to the recommended use of this product.  
  
 KEEP OUT OF REACH OF CHILDREN.  
  
**Potential short term health effects**  
**Routes of exposure** Eye, Skin contact, Inhalation, Ingestion.  
**Eyes** None expected during normal conditions of use.  
 May cause eye irritation upon direct contact with the eyes.  
**Skin** None expected during normal conditions of use.  
**Inhalation** None expected during normal conditions of use.  
**Ingestion** Health injuries are not known or expected under normal use.  
**Target organs** Eyes.  
**Chronic effects** The finished product is not expected to have chronic health effects.  
**Signs and symptoms** May cause irritation.

## 3. Composition / Information on Ingredients

**Composition comments** The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.

## 4. First Aid Measures

**First aid procedures**  
**Eye contact** In case of eye contact, hold eyes open and IMMEDIATELY rinse eyes thoroughly with plenty of water. Remove any contact lenses and continue rinsing for at least 15 minutes. If irritation persists, consult a physician.  
**Skin contact** In keeping with good hygienic practices, wash exposed areas thoroughly with soap and water.  
**Inhalation** Move to fresh air.  
**Ingestion** Rinse mouth with water. Contact a physician or Poison Control Center. Take label or product name number with you when seeking medical attention.

**Notes to physician**

Symptoms may be delayed.

**General advice**

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

## 5. Fire Fighting Measures

**Flammable properties**

Not flammable by OSHA criteria.

**Extinguishing media****Suitable extinguishing media**

Treat for surrounding material.

**Unsuitable extinguishing media**

Not available

**Protection of firefighters****Specific hazards arising from the chemical**

Not available

**Protective equipment for firefighters**

Firefighters should wear full protective clothing including self contained breathing apparatus.

**Hazardous combustion products**

May include and are not limited to: Oxides of carbon. Oxides of nitrogen.

**Explosion data****Sensitivity to mechanical impact**

Not available

**Sensitivity to static discharge**

Not available

## 6. Accidental Release Measures

**Personal precautions**

Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

**Methods for containment**

Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.

**Methods for cleaning up**

Small spillages of up to 1 litre (0.26 gallon) may be cleaned up with a mop or an absorbant cloth. Medium spills of up to 5 litres (1.32 gallons) should be absorbed with sand, earth, sawdust or other inert material and transferred to a suitable container for disposal.

Never return spills in original containers for re-use.

## 7. Handling and Storage

**Handling**

Use good industrial hygiene practices in handling this material.

**Storage**

Keep out of reach of children.

Store in original container in a cool, secure area inaccessible to children and pets.

## 8. Exposure Controls / Personal Protection

**Engineering controls**

General ventilation normally adequate.

**Personal protective equipment****Eye / face protection**

Wear safety glasses with side shields.  
Emergency responders should wear full eye and face protection.

**Hand protection**

PVC disposable gloves.

**Skin and body protection**

As required by employer code.  
Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible.

**Respiratory protection**

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.  
Emergency responders should wear self-contained breathing apparatus (SCBA) to avoid inhalation of vapours generated by this product during a spill or other clean-up operations.

**General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

## 9. Physical and Chemical Properties

**Appearance**

aqueous solution

Color	Not available
Form	Fluid
Odor	Not available
Odor threshold	Not available
Physical state	Liquid
pH	8 - 9
Freezing point	Not available
Pour point	Not available
Boiling point	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	0.996 - 1.004
Octanol/water coefficient	Not available
Solubility (H2O)	Soluble
Auto-ignition temperature	Not available
VOC (Weight %)	Not available
Pour point	Not available
Viscosity	Not available
Percent volatile	Not available

---

## 10. Stability and Reactivity

---

<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Do not mix with other chemicals. Direct heating, dirt, chemical contamination, sunlight, UV or ionising radiation.
<b>Incompatible materials</b>	Acids. Caustics.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon. Oxides of nitrogen.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

---

## 11. Toxicological Information

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<b>Effects of acute exposure</b>	
<b>Eye</b>	None expected during normal conditions of use. May cause eye irritation upon direct contact with the eyes.
<b>Skin</b>	None expected during normal conditions of use.
<b>Inhalation</b>	None expected during normal conditions of use.
<b>Ingestion</b>	Health injuries are not known or expected under normal use.
<b>Sensitization</b>	The finished product is not expected to have chronic health effects.
<b>Chronic effects</b>	The finished product is not expected to have chronic health effects.
<b>Carcinogenicity</b>	The finished product is not expected to have chronic health effects.
<b>Mutagenicity</b>	The finished product is not expected to have chronic health effects.
<b>Reproductive effects</b>	The finished product is not expected to have chronic health effects.
<b>Teratogenicity</b>	The finished product is not expected to have chronic health effects.
<b>Synergistic Materials</b>	Not available

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## 12. Ecological Information

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<b>Ecotoxicity</b>	Not available
<b>Environmental effects</b>	Not available

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

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### 13. Disposal Considerations

---

<b>Waste codes</b>	Not available
<b>Disposal instructions</b>	Dispose in accordance with all applicable regulations.
<b>Waste from residues / unused products</b>	Not available
<b>Contaminated packaging</b>	Not available

---

### 14. Transport Information

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<b>UN/ID N.o.</b>	Not applicable
<b>U.S. Department of Transportation (DOT): Classification:</b> Not regulated	
<b>Proper shipping name</b>	Not applicable
<b>U.S. DOT Hazard Class</b>	Not applicable
<b>Subsidiary Risk</b>	Not applicable
<b>Packing group</b>	Not applicable
<b>DOT RQ (lbs)</b>	Not applicable
<b>ERG NO</b>	Not applicable

**Transportation of Dangerous Goods (TDG - Canada): Classification:** Not regulated

<b>Proper shipping name</b>	Not applicable
<b>Status</b>	Not applicable
<b>Packing group</b>	Not applicable

**IMDG (Marine Transport): Classification:** Not regulated

<b>Proper shipping name</b>	Not applicable
<b>Class</b>	Not applicable
<b>Subsidiary Risk</b>	Not applicable
<b>Packing group</b>	Not applicable
<b>IMDG Page</b>	Not applicable
<b>Marine pollutant</b>	Not applicable
<b>EMS</b>	Not applicable
<b>MFAG</b>	Not applicable
<b>Maximum Quantity</b>	Not applicable

**IATA/ICAO (Air): Classification:** Not regulated

<b>Proper shipping name</b>	Not applicable
<b>Class</b>	Not applicable
<b>Subsidiary Risk:</b>	Not applicable
<b>Packing group</b>	Not applicable
<b>Maximum Quantity</b>	Not applicable

---

## 15. Regulatory Information

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

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

**29 CFR 1910.1200 hazardous chemical** No

**CERCLA (Superfund) reportable quantity**

Methanol: 5000.0000  
Sodium hydroxide: 1000.0000

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

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

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** No

**Clean Air Act (CAA)** Not available

**Clean Water Act (CWA)** Not available

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

**Inventory status**

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

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

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## 16. Other Information

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<b>Disclaimer</b>	This product should only be used as directed on the label and for the purpose intended. To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.
<b>Further information</b>	19200-05645 - MOP & GLO® - Wood Floor Cleaner - 32 oz. - 355924
<b>Issue date</b>	09-Dec-2009
<b>Effective date</b>	01-Dec-2009
<b>Prepared by</b>	Reckitt Benckiser Regulatory Department 800-333-3899
<b>Other information</b>	For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.



**COLGATE-PALMOLIVE Company**  
**MATERIAL SAFETY DATA SHEET**

*This industrial Material Safety Data Sheet is not intended for consumers and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.*

**Palmolive Regular Dishwashing and Antibacterial Hand Soap**

Effective Date: February 24, 2006

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

<p><b>COLGATE-PALMOLIVE COMPANY</b>  <b>300 Park Avenue</b>  <b>New York NY 10022</b></p> <p>PRODUCT NAME: Palmolive Regular Dishwashing and Antibacterial Hand Soap  CAS NUMBER: Not applicable – product is a mixture  GENERAL USE: Formulated liquid detergent for hand dishwashing.</p>	<p>EMERGENCY TELEPHONE NUMBER: For emergency involving spill, leak, fire, exposure or accident, call CHEMTREC (800) 424-9300, day or night</p> <p>For MEDICAL EMERGENCIES involving this product call (888) 489-3861.</p>
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<p><b>2. COMPOSITION/INFORMATION ON INGREDIENTS</b></p> <p>OSHA-REGULATED COMPONENTS (present at a concentration of &gt; or = 1%):</p> <table border="1"> <thead> <tr> <th>Component</th> <th>CAS#</th> <th>%</th> <th>PEL</th> <th>TLV</th> </tr> </thead> <tbody> <tr> <td>Ethanol</td> <td>64-17-5</td> <td>1-5</td> <td>1000 ppm</td> <td>1000 ppm</td> </tr> </tbody> </table>	Component	CAS#	%	PEL	TLV	Ethanol	64-17-5	1-5	1000 ppm	1000 ppm	<p>The following components, present at a concentration of &gt; or = 0.1%, are listed as carcinogens or potential carcinogens by either the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC) or OSHA:</p> <table border="1"> <thead> <tr> <th>Component</th> <th>CAS#</th> <th>%</th> <th>PEL</th> <th>TLV</th> </tr> </thead> <tbody> <tr> <td colspan="5">Not Applicable</td> </tr> </tbody> </table>	Component	CAS#	%	PEL	TLV	Not Applicable				
Component	CAS#	%	PEL	TLV																	
Ethanol	64-17-5	1-5	1000 ppm	1000 ppm																	
Component	CAS#	%	PEL	TLV																	
Not Applicable																					

**3. HAZARDS IDENTIFICATION**

POTENTIAL HEALTH EFFECTS

EYE CONTACT: Causes eye irritation on direct contact.

SKIN CONTACT: May cause skin irritation on prolonged or repeated contact.

INGESTION: Maybe harmful if swallowed in large quantities.

INHALATION: No adverse effects expected.

**4. FIRST AID MEASURES**

EYE CONTACT: Flush eyes with large amounts of water for 15 minutes. Get medical attention if irritation persists.

SKIN CONTACT: Rinse area with plenty of water. Get medical attention if irritation persists.

INGESTION: Drink 1-2 glasses of water. Get medical attention.

INHALATION: Not Applicable.



---

## 5. FIRE FIGHTING MEASURES

Flash Point (Method): 134 F

Extinguishing Media: Water spray, all-purpose dry chemical, CO<sub>2</sub>.

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus and protective clothing should be worn when fighting chemical fires.

---

## 6. ACCIDENTAL RELEASE MEASURES

Cover with inert, absorbent material and remove to disposal container. Spill area may be slippery. Flush with plenty of water.

---

## 7. HANDLING AND STORAGE

Store in a tightly closed container in a cool, dry, well-ventilated area.

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONTROLS: Avoid eye and skin contact.

PROTECTIVE CLOTHING: The use of safety goggles and protective gloves is recommended.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid  
pH: 6.5 - 7.3  
Specific gravity @20C: 1.006—1.046

---

## 10. STABILITY AND REACTIVITY

GENERAL: This product is stable. Hazardous polymerization will not occur.

INCOMPATIBLE MATERIALS: Chlorine bleach.

HAZARDOUS DECOMPOSITION: None known.

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## 11. TOXICOLOGICAL INFORMATION

This product has not been tested as a whole. However, this formula was reviewed by expert toxicologists in the Product Safety Assurance Department of Colgate-Palmolive and is determined to be safe for its intended use. This review has taken into consideration available safety-related information including information on individual ingredients, similar ingredients, similar formulas and potential ingredient interactions. This review is a component of the hazard determination used to prepare the statements in Section 3 of the MSDS.

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## 12. ECOLOGICAL INFORMATION

Not Available

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## 13. DISPOSAL CONSIDERATIONS

Any disposal practice must be in compliance with local, state, and federal laws and regulations (contact local or state environmental agency for specific rules). Do not dump into sewers, any body of water or onto the ground.

---

## 14. TRANSPORTATION

Not regulated as a DOT hazardous material per 49CFR 173.150(f)(2).

DOT classification for bulk shipments (>119 gallons): Combustible Liquids, n.o.s. (ethanol), PGIII NA1993

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## 15. REGULATORY INFORMATION

<p><b>RCRA</b> (40 CFR 261, Subpart D): Not Applicable</p> <p><b>CLEAN WATER ACT:</b> Contains sulfuric acid which is a Section 311 material.</p> <p><b>CLEAN AIR ACT:</b> Contains ethanol and methanol which are Section 111 materials. Methanol is also a Section 112 material.</p> <p><b>SARA:</b> Sections 301-304 (Threshold planning quantity - TPQ) 40 CFR 355: The threshold planning quantity for hydrogen peroxide and sulfuric acid is 1,000 lbs.</p> <p><b>Section 313</b> (Toxic chemical release reporting) 40 CFR 372: The following chemicals must be reported under SARA 313: Not Applicable</p> <p><b>CERCLA:</b> Section 102 (Reportable Quantity - RQ) 40 CFR 302: Not Applicable</p>	<p><b>New Jersey Right to Know Hazardous Substance List:</b> This product contains the following components subject to reporting requirements: Ethanol, methanol, hydrogen peroxide, sulfuric acid</p> <p><b>Pennsylvania Hazardous Substance List:</b> This product contains the following components subject to reporting requirements: Ethanol, methanol, hydrogen peroxide, sulfuric acid</p> <p><b>Massachusetts Substance List:</b> This product contains the following components subject to reporting requirements: Ethanol, methanol, hydrogen peroxide, sulfuric acid</p> <p><b>Canada: Workplace Hazardous materials Information System (WHMIS)-listed material.</b> This product contains the following components subject to reporting requirements: Ethanol</p> <p><b>TSCA Section 8(b) Inventory Status:</b> All ingredients in this product are listed on the TSCA Inventory or are not required to be listed on the TSCA Inventory.</p>
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## 16. OTHER INFORMATION

Effective Date: February 24, 2006  
Supersedes MSDS date September 27, 2005  
MSDS Status: Revised Sections 9 and 15

The information on this sheet is limited to the material identified and is believed by the Colgate-Palmolive Company to be correct based on its knowledge and information as of the date noted. Colgate makes no representation, guarantee or warranty, expressed or implied, as to the accuracy, reliability or completeness of the information and assumes no responsibility for injury, damage or loss resulting from the use of the material.

**Sanford NA**  
**2711 Washington Boulevard**  
**Bellwood, IL 60104**  
**Phone: 708-547-6650 or 800-323-0749**

**Emergency Medical Number: 888-786-0972**

**Creation Date:** October 20, 2003

**Section One: Product Information**

Product Name: Paper Mate Liquid Paper Fast Drying Correction Fluid

Colors: Bond White

Includes: Liquid Paper All Purpose Bon White, (LPCF-19-1),

**Section Two: Composition**

Titanium dioxide (13563-67-7), solvent naphtha (64742-89-8), mineral spirits (64742-89-8), resins, dispersant, colorants, fragrance

**Section Three: Hazards Identification**

If vapors are deliberately inhaled, the following symptoms may occur: respiratory irritation, dizziness, drowsiness, headache, nausea, unconsciousness, convulsions, cardiac sensitization, coma, and death.

**Section Four: First Aid Measures**

Inhalation: This product is considered safe under normal use conditions.

Skin Contact: Wash with soap and water.

Eye Contact: Irritation may occur. Wash through with water.

Ingestion: Contact a physician. NOTE TO PHYSICIAN: Contains solvent naphtha and mineral spirits, which may cause chemical pneumonitis.

**Section Five: Fire Fighting Measures**

Flash Point: 25.5F (Closed Cup)

Flammability Limits (% by volume): Lower: 1% Upper: 8%

Extinguishing Media: Dry chemical, foam, carbon dioxide.

Special Fire Fighting Measures: In fires involving large quantities, use self-contained breathing apparatus. Cool fire-exposed containers with water spray/fog.

Unusual Fire and Explosion Hazards: Product is flammable. May produce hazardous decomposition products.

**Section Six: Accidental Release Measures**

In Case of Spill or Accidental Release: Wipe up with absorbent material.

**Section Seven: Handling and Storage**

Handling: No special handling requirements.

Storage: In large quantities, store in a well-ventilated area.

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

Eye Protection: None under normal use conditions.  
 Clothing: None under normal use conditions.  
 Respirator: None under normal use conditions.  
 Ventilation: None under normal use conditions.

**Section Nine: Physical and Chemical Properties**

For product unless otherwise specified:

Boiling Point: 209 - 230F  
 Specific Gravity: 1.29  
 Vapor Pressure: 124 mm Hg at 100F  
 Solubility in Water: Negligible  
 Evaporation Rate: 3.6 (butyl acetate = 1)  
 Appearance; Odor: White fluid; solvent odor

**Section Ten: Stability and Reactivity**

Stability: Stable  
 Conditions to Avoid: Open flames or other ignition sources.  
 Chemical Incompatibility: Strong oxidizers  
 Hazardous Decomposition: May produce oxides of carbon, nitrogen, and various hydrocarbons in fire.  
 Hazardous Polymerization: Will not occur

**Section Eleven: Toxicological Information**

IARC Monographs: No  
 National Toxicology Program: No  
 OSHA Regulated: No

**Section Twelve: Ecological Information**

Not available

**Section Thirteen: Disposal Considerations**

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

**Section Fourteen: Transport Information**

ORM-D Consumer Commodity  
 Flammable Liquid, n.o.s., (petroleum distillates), Class 3, UN1993, PGII (25.5F CC), Ltd. Qty's, EmS#3-07  
 Consumer Commodity, 9, ID8000, packing instruction 910

**Section Fifteen: Regulatory Information**

TSCA INVENTORY: The product on this Material Safety Data Sheet is not listed on the Toxic Substances Control Act Inventory.  
 All ingredients used to manufacture this product are listed on the TSCA Inventory

**Section Sixteen: Other Information**

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

0=Minimal / 4 = Severe

Sanford NA has been advised by Counsel that the OSHA Hazard Communication Standard does not apply to the Sanford Product described in this Material Safety Data Sheet. The reason for the exemption is contained in 29 CFR 1910.1200(b)(6)(ix) as amended July 1, 2002 per the Code of Federal Regulations. 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 the Hazard Communication Standard nor is this MSDS meant to comply with all requirements of the Hazard Communication Standard.



MATERIAL SAFETY DATA SHEET

Page:1/5

MSDS No.: DPO-0173

Products Name: PHOTOCONDUCTOR 202

Prepared Date:1-Apr-1996

Revised Date: 17-Sep-2002

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: PHOTOCONDUCTOR 202  
used for: EP2051, EP2080, EP3000

Supplier Identification:

Minolta Corporation  
101 Williams Drive, Ramsey, New Jersey 07446, U.S.A.  
Telephone: 201-825-4000

Emergency Telephone No.

Contact your regional poison control center.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Major Ingredients:

[Generic Name]	[CAS No.]	[%]
Substrate		>97
Aluminum drum	+++	
Coating layer		< 3
Binder resin	+++	
Photosensitive material	+++	
Pigment	+++	

+++ : Supplier's confidential information

Hazardous Ingredients:

None present



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Products Name: PHOTOCONDUCTOR 202

Prepared Date:1-Apr-1996

Revised Date: 17-Sep-2002

---

### 3. HAZARDS IDENTIFICATION

Classification : Not classified as dangerous. (1999/45/EC)

Most Important Hazards and Effects of the Products

For Human Health: No symptoms expected with intended use.

For the Environment: No data are available on the adverse effects of this product on the environment.

For Others: None

Specific Hazards: None

---

### 4. FIRST-AID MEASURES

Symptoms of Overexposure: No symptoms expected with intended use.

Routes of Entry: None

Information

Inhalation: No treatment is required.

Skin Contact: No treatment is required.

Eye Contact: No treatment is required.

Ingestion: No treatment is required.

Note to Physician: None

---

### 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: CO<sub>2</sub>, water, foam and dry chemical

Extinguishing Media to Avoid: None

Special Firefighting Procedures: None

Fire and Explosion Hazards: This material has no unusual fire or explosive hazards.

Protection of Firefighters: No special equipment is required.

---

### 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Not applicable with intended use.

Environmental Precautions: Not applicable with intended use.

Methods for Cleaning Up: Not applicable with intended use.

---

### 7. HANDLING AND STORAGE

Handling

Technical Measures: None

Precautions: This product will be scorched in the case of fire.

Safe Handling Advice: None.

Storage

Technical Measures: None

Storage Conditions: Keep and Store in a cool and dry place.

Incompatible Products: None

Packing Materials: Cardboard box designated by Minolta.

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Products Name: PHOTOCONDUCTOR 202

Prepared Date:1-Apr-1996

Revised Date: 17-Sep-2002

---

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Engineering Measures

Ventilation: None required with intended use.

### Control Parameters

OSHA-PEL(USA): Not Applicable    ACGIH-TLV(USA):        Not Applicable

DFG-MAK(EC):    Not Applicable    Worksafe-TWA(Austl): Not Applicable

### Personal Protective Equipment

None required when used as intended in Minolta equipment.

Hygiene Measures:    Wash hands after handling.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Physical State: Solid        Form: Cylinder        Color: Reddish-brown

Odor: Odorless

<<Results of the coated compounds on the aluminum substrate.>>

Boiling Point:                    Not applicable

Melting/Softening Point:        No data available

Flash Point:                      Not applicable

pH:                                 Not applicable

Explosion Properties:              Not applicable

Density(g/cm<sup>3</sup>):                    2.7

Solubility in water:                insoluble

Flammability:                      Not applicable

Oxidizing Properties:              No data available

Ignition Temperature(°C):        No data available

Vapor Pressure:                    Not applicable

Partition Coefficient, n-Octanol/Water: Not applicable

---

## 10. STABILITY AND REACTIVITY

Stability: Stable [ X ]            Unstable [   ]

Hazardous Reactions: None

Conditions to avoid: None

Materials to Avoid: None

Hazardous Decomposition Products: CO, CO<sub>2</sub>

---



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Products Name: PHOTOCONDUCTOR 202

Prepared Date:1-Apr-1996

Revised Date: 17-Sep-2002

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#### 11. TOXICOLOGICAL INFORMATION

Health Effects from Exposure: No symptoms expected with intended use.

##### Toxicological Data

<<Result of the coated compounds on the aluminum substrate.>>

##### Acute Toxicity:

Inhalation, LC50(mg/l): Not applicable  
Ingestion(oral), LD50(mg/kg): >2000 (Rat)  
Dermal, LD50(mg/kg): Not applicable  
Eye irritation: Minimally irritating (Rabbit)  
Skin irritation: Non irritant (Rabbit)  
Skin sensitizer: No data available  
Mutagenicity: Negative (AMES test)

Local Effects: No data available

Chronic Toxicity or Long Term Toxicity: None

##### Carcinogenicity

IARC Monographs: Not listed  
NTP(USA): Not listed  
OSHA Regulated(USA): Not listed

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#### 12. ECOLOGICAL INFORMATION

No data available

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#### 13. DISPOSAL CONSIDERATION

##### Appropriate Methods of Disposal

Waste may be disposed or incinerated under conditions which meet all federal, state and local environmental regulations.

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#### 14. TRANSPORT INFORMATION

Special Precautions: None

Information on Code and Classifications According to International Regulations

UN Classification: None

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Products Name: PHOTOCONDUCTOR 202

Prepared Date:1-Apr-1996

Revised Date: 17-Sep-2002

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## 15. REGULATORY INFORMATION

### US Information

Information on the label: Not required

SARA(Superfund Amendments and Reauthorization Act) Title III

302 Extreme Hazardous Substance: None

311/312 Hazard Categories: None

313 Reportable Ingredients: None

California Proposition 65:

This product contains no chemical substances subject to California Proposition 65.

### EU Information

Information on the label(1999/45/EC and 67/548/EEC):

Symbol & Indication: Not required

R-Phrase: Not required

S-Phrase: Not required

Article14 (2.1) of Directive 1999/45/EC is not applicable to this product.

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## 16. OTHER INFORMATION

NFPA Hazard Rating: The National Fire Protection Agency(USA):

Health: 0 Flammability: 1 Reactivity: 0

HMIS RATING: The National Paint and Coating Association(USA):

Health: 0 Flammability: 1 Reactivity: 0

Recommended Uses:

Photoconductor for Electrophotographic Equipment

Restrictions:

Information on this data sheet represents our current data and the best opinion as to the proper use in handling of this product under normal conditions specified in our User's Manual. However, neither Minolta Co., Ltd. nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we do not guarantee that these are the only hazards which exist.

Literature References:

ANSI Z400.1-1993

ISO 11014-1

Commission Directive 91/155/EEC

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MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS No.: 00-20273, 00-20274  
 Product Type: Solvent Based Rubber Cement

2. COMPOSITION INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Hydrotreated heavy naphtha	64742-48-9	60-80
CYCLOHEXANE*	110-82-7	10-20
n-HEXANE*	110-54-3	5-10
Natural Rubber	Proprietary	5-10
Hydrocarbon Resin	Proprietary	1-5
Antioxidant	6683-19-8	0.1-1.0
METHYL ETHYL KETONE*	78-93-3	<0.001
ETHYL ACETATE	141-78-6	<0.001

\* This component is listed as a SARA Section 313 Toxic Chemical.

All components of this product are included on the USEPA TSCA inventory and the Canadian DSL

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
Hydrotreated heavy naphtha	5mg/m3 TWA mist	5mg/m3 TWA mist	400 ppm
CYCLOHEXANE	300 ppm TWA	300 ppm TWA	None
n-HEXANE	1030mg/M3	1050mg/M3	None
METHYL ETHYL KETONE	50 ppm TWA (skin)	500 ppm TWA	None
ETHYL ACETATE	200 ppm TWA	1800 mg/M3	None
	590 mg/m3	200 ppm TWA	None
	400 ppm TWA	590 mg/m3	None
	1440 mg/M3	400 ppm TWA	None
		1400 mg/M3	

Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)
Hydrotreated heavy naphtha	10 mg/m3 mist	None
METHYL ETHYL KETONE	300 ppm	300 ppm
	885 mg/m3	885 mg/m3

3. HAZARDS IDENTIFICATION

Toxicity: Brain and nervous system damage. Drying or cracking skin.  
 Primary Routes of Entry: Inhalation, ingestion, eye and skin contact.  
 Signs and Symptoms of Exposure: Headache, dizziness, fatigue, drowsiness, irregular heartbeat, skin and eye irritation.  
 Existing Conditions Aggravated by Exposure: Liver, skin, respiratory, and central nervous system diseases, and alcoholism.  
 Heart, kidney, and lung disorders.

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
Hydrotreated heavy naphtha	NTO	NO	NO	NO
CYCLOHEXANE	CNS IRR	NO	NO	NO
n-HEXANE	DEV IRR LUN NER REP	NO	NO	NO
Natural Rubber	No Data	NO	NO	NO
Hydrocarbon Resin	No Data	NO	NO	NO
Antioxidant	NTO	NO	NO	NO
METHYL ETHYL KETONE	CNS IRR	NO	NO	NO
ETHYL ACETATE	BLO CNS IRR	NO	N/A	NO
		NO	NO	NO

Abbreviations

N/A Not Applicable  
 CNS Central nervous system  
 IRR Irritant  
 NER Nervous System  
 REP Reproductive  
 BLO Blood  
 DEV Developmental  
 LUN Lung  
 NTO No Target Organs

Other possible target organs: Cardiovascular system, kidney, skin, liver, lung, respiratory system, and central and peripheral nervous systems.

MATERIAL SAFETY DATA SHEET

Page 2 of 3

MSDS No.: 00-20273, 00-20274

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention.

Inhalation: Remove to fresh air. If symptoms persist, obtain medical attention. Administer oxygen or artificial respiration if necessary.

Skin Contact: Wash with soap and water.

Eye Contact: Flush at least 15 minutes with water. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: Less than <math>0^{\circ}\text{F}</math> <math>-18^{\circ}\text{C}</math> Method: PMCC

Recommended Extinguishing Agents: Carbon dioxide, foam, dry chemical.

Self contained breathing apparatus with a full face piece operated in pressure demand or other positive pressure mode should be used when confronted with large fires.

Special Firefighting

Procedures: Not available

Hazardous Products formed by Fire or Thermal Decomp: Oxides of carbon.

Unusual Fire or Explosion Hazards: This material is flammable and may be ignited by heat, sparks, flame or static electricity.

Explosive Limits:  
(% by volume in air) Lower 1.0%  
(% by volume in air) Upper 10.0%

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak: Remove sources of ignition. Maintain adequate ventilation. Soak up with an inert absorbent. Store in a closed container until disposal.

7. HANDLING AND STORAGE

Safe Storage: Store below 120°F in closed container. Service 1-800-243-4874 for shelf life information)

(Contact Loctite Customer Handling: Keep away from eyes. Avoid prolonged breathing of vapors or prolonged skin contact. Keep away from sparks, flames, or high heat sources.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Chemical splash goggles.

Skin: Impervious rubber or plastic gloves recommended. Impervious clothing or boots as needed.

Ventilation: Sufficient to maintain vapor concentration below TLV.

Respiratory: NIOSH/MSHA approved organic vapor cartridge respirator if indicated.

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Translucent, viscous liquid

Odor: Moderate

Boiling Point: 171°F, 77°C

pH: Does not apply

Solubility in Water: Insoluble

Specific Gravity: 0.70

Volatile Organic Compound (EPA Method 24): 89%; 5.2 pounds/gallon.

Vapor Pressure: Not available

Vapor Density: 3

Evaporation Rate (Ether = 1): Not available

10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous Polymerization: Will not occur

Incompatibility: Strong acids, bases, oxidizing agents, selected amines with alkali metals and halogens.

Conditions to Avoid: Not available

Hazardous Decomposition Products (non-thermal): Oxides of carbon, formic acid, dimethylamine.

MATERIAL SAFETY DATA SHEET

Page 3 of 3

MSDS No.:

00-20273, 00-20274

10. STABILITY AND REACTIVITY

(continued)

peroxides.

11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONSRecommended methods of  
disposal:  
EPA Hazardous Waste  
NumberIncinerate following EPA and local regulations.  
D001/D035 - Hazardous waste per 40CFR 261.21 and  
a TCLF waste per 261.24/Methyl Ethyl Ketone.14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)

Domestic Ground Transport  
Proper Shipping Name:Consumer Commodity (Not more than one liter);  
Adhesives, Class 3, UN 1133, PKG Grp II >1 LiterHazard Class or  
Division:ORM-D (Not more than one liter);  
Class 3, Packing Group II (More than one liter)

Identification Number:

None (Not more than one liter);  
UN 1133 (More than one liter)

Marine Pollutant:

None

IATA

Proper Shipping Name:

Consumer Commodity (Not more than one liter);  
Adhesives, Class 3, UN 1133, PKG Grp II >1 Liter

Class or Division:

Class 3, Packing Group II

UN or ID Number:

UN 1133

15. REGULATORY INFORMATION

CA Proposition 65:

16. OTHER INFORMATION

Estimated NFPA (R) Code:

Health Hazard: 2  
Fire Hazard: 3  
Reactivity Hazard: 0  
Specific Hazard: None

Estimated HMIS (R) Code:

Health Hazard: 2  
Flammability Hazard: 3  
Reactivity Hazards: 1  
Personal Protection: See Section 8.NFPA is a registered  
HMIS is a registeredtrademark of the National Fire Protection Assn.  
trademark of the National Paint and Coatings Assn.

Prepared By:

Louis Fabrizio

Title:

Regulatory Affairs Specialist

Company:

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(24hr.) Phone:

(860) 571-5100

Revision Date:

January 30, 2001

Revision: First Issue

# 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: 410912
- PRODUCT NAME: **Truck Wash**
  - 5GL: 410912
  - 55 GL: 410915

### 1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE OR USES ADVISED AGAINST

- IDENTIFIED USE: Equipment 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 intended to be used only after dilution. The relevant hazard and safety data sheet are specified for both the **Product as SOLD** and **Product at USE DILUTION**, where appropriate.

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

#### OSHA/HCS Status

#### Classification of the Substance or Mixture

#### Product as SOLD

Skin corrosion (Category 1B); Serious eye damage (Category 1); Specific target organ toxicity - single exposure (Category 3, Respiratory system)

#### Product at USE DILUTION (< 10%)

Skin corrosion (Category 2); Serious eye damage/Irritation (Category 2A)

### 2.2 LABEL ELEMENTS:

#### ELEMENT

#### Hazard Pictograms

#### Product as SOLD



#### Product at USE DILUTION (<10%)



#### Signal Word

#### Hazard Statements

DANGER

Harmful if inhaled, swallowed, or in contact with skin. Causes severe skin burns and eye damage. May cause respiratory irritation.

WARNING.

Causes skin and serious eye irritation.

## SECTION 2: HAZARDS IDENTIFICATION (Continued)

### 2.2 LABEL ELEMENTS (Continued):

ELEMENT	<u>Product as SOLD</u>	<u>Product at USE DILUTION (&lt;10%)</u>
<b>Precautionary Statements</b>		
<b>Prevention</b>	Keep out of reach of children. Wash hands thoroughly after use. Wear eye protection/face protection and protective gloves. Avoid breathing mist/vapor/spray. Use only outdoors or in well-ventilated area.	Keep out of reach of children. Wash hands thoroughly after use. Wear eye protection/face protection/protective clothing/protective gloves.
<b>Response</b>	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. 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: Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center/doctor. Call a POISON CENTER or doctor if you feel unwell.	IF SWALLOWED: Rinse mouth, Call a POISON CENTER or doctor/physician if you feel unwell. 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: Wash with plenty of water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash it before reuse.
<b>Storage</b>	Store in a well-ventilated place. Keep container tightly closed. Store locked up.	Not established; follow guidelines in section 7.
<b>Disposal</b>	Dispose of contents/container in accordance with local, regional, national, and international regulations.	Dispose of contents/container in accordance with local/regional/ national/ international regulations.

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

- May cause severe irritation of the respiratory tract if mists/sprays are inhaled. Ingestion of large quantities may cause irritation, ulceration, nausea, vomiting and can be fatal.

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 SUBSTANCES/MIXTURES

COMPONENT	CAS NUMBER	GHS HAZARD CLASSIFICATION FOR COMPONENT	% (w/w)
Silicic acid (H <sub>2</sub> SiO <sub>3</sub> ), Disodium salt	6834-92-0	Corrosive to metals (Category 1); Skin corrosion (Category 1B); Serious eye damage (Category 1); Specific target organ toxicity - single exposure (Category 3, Respiratory system)	Proprietary <sup>1</sup>

<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

<b>AREA EXPOSED</b>	<b><u>Product as SOLD</u></b>	<b><u>Product at USE DILUTION (&lt;10%)</u></b>
<b>Eye Contact</b>	Flush with copious amounts of water for 15 minutes. "Roll" eyes during flush. Seek medical attention immediately.	Flush with copious amounts of water for 15 minutes. "Roll" eyes during flush. Seek medical attention if irritation persists.
<b>Skin Contact</b>	Flush area with warm, running water for several minutes. Seek medical attention if irritation persists.	Flush area with warm, running water for several minutes. Seek medical attention if irritation persists.
<b>Inhalation</b>	Obtain fresh air.	Obtain fresh air.
<b>Ingestion</b>	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.
<b>Other Recommendations</b>	Wash clothing before reuse.	

### 4.2 MOST IMPORTANT ACUTE AND CHRONIC EXPOSURE SYMPTOMS

- **ACUTE HEALTH EFFECTS:**

<b>AREA EXPOSED</b>	<b><u>Product as SOLD</u></b>	<b><u>Product at USE DILUTION (&lt;10%)</u></b>
<b>Eye Contact</b>	Severely irritating and potentially corrosive to eye tissue; contact will cause pain, redness, and tissue damage. Chemical burns and blindness may occur.	Causes serious eye irritation.
<b>Skin Contact</b>	Seriously irritating and potentially corrosive to skin tissue; contact will cause pain, redness, and tissue damage. Chemical burns may occur.	Causes mild to moderate skin irritation, depending on duration of contact
<b>Inhalation</b>	Inhalation of sprays, mists may cause coughing, nasal congestion and sore throat.	May causes respiratory tract irritation; symptoms may include coughing and sneezing depending on volume of mist/spray inhaled.
<b>Ingestion</b>	Corrosive and may cause severe and permanent damage to mouth, throat, and stomach. May be fatal if swallowed.	Causes gastrointestinal system irritation; symptoms may include pain, sore throat, nausea and vomiting if large volumes are ingested.

- **CHRONIC HEALTH EFFECTS:**

<b><u>Product as SOLD</u></b>	<b><u>Product at USE DILUTION (&lt;10%)</u></b>
Prolonged or repeated eye contact may cause conjunctivitis. Prolonged or repeated skin contact may cause dermatitis.	None reported.

- **TARGET ORGANS:**

<b><u>Product as SOLD</u></b>	<b><u>Product at USE DILUTION (&lt;10%)</u></b>
Eyes, skin, respiratory system.	Skin, 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.

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

- **NFPA FLAMMABILITY CLASSIFICATION:**

Classification  
NFPA Rating

Product as SOLD



NFPA Classification

Not flammable.

Product at USE DILUTION (<10%)



Not flammable.

- **UNUSUAL HAZARDS IN FIRE SITUATIONS:**

Product as SOLD

**Decomposition** Generates caustic vapors and oxides of sodium and silicon, carbon monoxide and carbon dioxide.

**Explosion Sensitivity to Mechanical Impact** Not applicable.

**Explosion Sensitivity to Static Discharge** Not applicable.

Product at USE DILUTION (<10%)

Generates caustic vapors and oxides of sodium and silicon, carbon monoxide and carbon dioxide.

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 of the nature of this product, 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.
- **RESPONSE PROCEDURES FOR ANY RELEASE:** Absorb spilled liquid with polypads or other suitable absorbent materials. If appropriate, neutralize contaminated area and equipment with base neutralizing agent. Rinse contaminated items and area thoroughly. Confirm that neutralization/decontamination is complete by testing with pH paper.



## SECTION 6: ACCIDENTAL RELEASE MEASURES (Continued)

### 6.2 ENVIRONMENTAL PRECAUTIONS

- Avoid response actions that can cause a release of a significant amount of the 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; base neutralizing agent; pH paper.

### 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

	<u>Product as SOLD</u>	<u>Product at USE DILUTION (&lt;10%)</u>
<b>Hygiene Practices</b>	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.	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.
<b>Handling Practices</b>	Employees must be appropriately trained to use this product safely as needed. Keep containers closed when not in use.	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

	<u>Product as SOLD</u>	<u>Product at USE DILUTION (&lt;10%)</u>
<b>Storage Practices</b>	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.
<b>Incompatibilities</b>	See Section 10 (Stability and Reactivity).	See Section 10 (Stability and Reactivity).

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION







### 8.1 CONTROL PARAMETERS

- **U.S. NATIONAL EXPOSURE LIMITS:** Not established.
- **BIOLOGICAL OCCUPATIONAL EXPOSURE LIMITS:** Not established.

### 8.2 EXPOSURE CONTROLS

	<u>Product as SOLD</u>	<u>Product at USE DILUTION (&lt;10%)</u>
<b>Engineering Controls</b>	Use in well-ventilated environment.	Use in well-ventilated environment.
<b>Respiratory Protection</b>	None needed in normal circumstances of use.	None needed in normal circumstances of use.
<b>Hand Protection</b>	Neoprene or nitrile gloves are recommended. Ensure gloves are intact prior to use.	Standard chemical-resistant gloves used in janitorial work are recommended.
<b>Eye Protection</b>	Safety glasses. Face-shields are recommended when splash, sprays, or mists can be generated.	Safety glasses.
<b>Body Protection</b>	Standard protection used in janitorial service. If splashes or sprays can occur, a rubber apron should be used.	Standard protection used in janitorial service. If splashes or sprays can occur, a rubber apron should be used.

### 8.3 PERSONAL PROTECTION SYMBOLS

	<u>Product as SOLD</u>	<u>Product at USE DILUTION (&lt;10%)</u>
<b>Hand Protection</b>		
<b>Eye/Face Protection</b>		
<b>Body Protection</b>		

## 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 (&lt;10%)</u>
<b>Appearance</b>	Amber liquid.	Colorless to yellow.
<b>Odor</b>	Solvent.	Slight solvent
<b>Odor Threshold</b>	Not determined.	Not determined.
<b>pH</b>	< 12.5	< 11.5
<b>Melting Point/Freezing Point</b>	Not determined.	Approx. 0°C (32 °F).
<b>Initial Boiling Point/Boiling Range</b>	>99°C (210 °F).	Approximately 100°C (212°F).
<b>Flash Point</b>	Not applicable.	Not applicable.
<b>Evaporation Rate (Water = 1)</b>	Not determined.	Approx. 1.0.
<b>Flammability</b>	Not applicable.	Not applicable.
<b>Upper/Lower Explosive Limits</b>	Not applicable.	Not applicable.
<b>Vapor Pressure</b>	Not determined.	Not determined.
<b>Vapor Density</b>	Not determined.	Not determined.
<b>Relative Density (Density)</b>	1.1 (9.26 lbs/gal.)	Approx. 1.0. (8.34 .b/gal)
<b>Solubility</b>	Completely soluble in water.	Completely soluble in water.
<b>Partition Coefficient/n-octanol/water</b>	Not determined.	Not determined.
<b>Autoignition Temperature</b>	Not applicable.	Not applicable.
<b>Decomposition Temperature</b>	Not determined.	Not determined.
<b>Viscosity</b>	Not determined.	Not determined.

### 9.2 OTHER INFORMATION

- **VOC (less water & exempt):** 0 G/L. **WEIGHT% VOC:** Not applicable.

## SECTION 10: STABILITY AND REACTIVITY

### 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

- This product is not self-reactive, water-reactive, or air-reactive.
- This product will not undergo hazardous polymerization.

### 10.4 CONDITIONS TO AVOID

- Avoid contact with incompatible chemicals.

### 10.5 INCOMPATIBLE MATERIALS

- Strong oxidizing agents, aluminum.

### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

- Products of thermal decomposition of this product include caustic vapors, carbon monoxide, carbon dioxide, and oxides of potassium and nitrogen.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

- **ACUTE TOXICITY:**

- **TOXICOLOGY DATA:** The following data are available for the hazardous components in this product listed in Section 3 (Composition/Information on Ingredients).

- **SILICIC ACID (H<sub>2</sub>SiO<sub>3</sub>), DISODIUM SALT**

- LD<sub>50</sub> (Oral, Rat) = 1,152 - 1,349 mg/kg

- **DEGREE OF IRRITATION:** Causes severe skin burns and eye damage. The following data are available for components of this product.

- **SILICIC ACID (H<sub>2</sub>SiO<sub>3</sub>), DISODIUM SALT**

- Skin corrosion/irritation: Skin – Rabbit; Severe skin irritation - 4 hours

- **SENSITIZATION:** The components of this product are 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.

See Section 4 (First-Aid Measures) for more details.

**Eyes**

**Product as SOLD**

May cause moderate to severe eye irritation and chemical burns.

**Product at USE DILUTION <10%**

May cause moderate to severe eye irritation and chemical burns, depending on duration of exposure.

**Skin**

May cause moderate to severe skin irritation, and chemical burns.

May cause moderate to severe skin irritation, and chemical burns.

**Inhalation**

Causes irritation of membranes of nose, mouth, throat; degree of irritation depends on exposure.

Causes mild to moderate irritation of membranes of nose, mouth, throat.

**Ingestion**

Causes severe irritation and chemical burns of gastrointestinal system. May be fatal if swallowed.

Causes severe irritation and chemical burns of gastrointestinal system. May be fatal if swallowed.

## SECTION 11: TOXICOLOGICAL INFORMATION (Continued)

- **CHRONIC TOXICITY:**
  - **CARCINOGENICITY STATUS:** Not established.
  - **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 is a respiratory system irritant.
  - **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 is anticipated to be harmful or fatal to contaminated terrestrial plants or animals.
- The following aquatic toxicity data are available for components of this product:

**SILICIC ACID (H<sub>2</sub>SiO<sub>3</sub>), DISODIUM SALT**  
Semi-static test LC50 – (*Danio rerio*) - 210 mg/l - 96 h

### 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 expected this product will have small mobility in soil. Some of the components may get into the soil and, ultimately, the ground water. Product spreads on the water surface.

### 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 to wastes consisting only of this product.

## SECTION 14: TRANSPORT INFORMATION

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

Information in this section is for **Product as SOLD**.

#### 14.1: 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 THRESHOLD PLANNING QUANTITY:** Not applicable.
- **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 as SOLD** is classified as hazardous under Canadian Controlled Products regulations (SOR-88-66).
  - It is classified as E –Corrosive Material. See symbol to right.
  - This SDS contains all the information required by the CPR.
- **CANADIAN DSL/NDL INVENTORY STATUS:** The listed components of this product are on the DSL/NDL 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 29, 2014
- **CHANGE INDICATED:** Update of OSHA Hazard Communication Standard (29 CFR 1910.1200).

## SECTION 16: OTHER INFORMATION (Continued)

### 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		Product at USE DILUTION	
Health	2	Health	1
Flammability	0	Flammability	0
Physical Hazard	0	Physical Hazard	0
Protective Equipment	C/D	Protective Equipment	B/C

**HMIS Personal Protective Equipment Rating:**  
Occupational Use situations:  
C - Safety glasses and gloves and- body protection suitable to specific circumstances of use should be worn. D - Face-shield should be added if splashes/sprays can occur.

**HMIS Personal Protective Equipment Rating:** Occupational Use situations: B - Safety glasses and gloves. C – Rubber apron should be added if splashes/sprays can occur.

### 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.

**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: LD<sub>50</sub> or LC<sub>50</sub>: 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. TD<sub>50</sub> or TC<sub>50</sub>: 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:** EC<sub>50</sub>: Effect Concentration (on 50% of study group); BOD: Biological Oxygen Demand.

**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/NDL: 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.



Identity # 320811; 320812; 320814; 320815 Name W-400 HEAVY-DUTY STRIPPER

Section 1

Manufactured For - Waxie Sanitary Supply  
Address - 9353 Waxie Way Emergency Phone (Chem-Tel) 1-(800) 255-3924  
City - San Diego State - CA 92123-1036 Phone - (800) 995-4466

Date Prepared- 12/30/2010

Section 2 - Hazardous Ingredients/Identity Information

Hazardous Components	CAS#	OSHA PEL	ACGIH TLV	Weight% (Optional)
2-Butoxy Ethanol	111-76-2	25PPM	25PPM	
Sodium Hydroxide	1310-73-2	2MG/M3	2MG/M3	
2-Amino-Ethanol	141-43-5	3PPM	3PPM	

Note: N/A

VOC Content- <60 g/L

Section 3 - Physical/Chemical Characteristics

Boiling Point- >212 F	Specific Gravity- 1.020
Vapor Pressure - Not Tested	Melting Point - Not Tested
Vapor Density - Not Tested	Evaporation Rate - Not Tested
Solubility In Water- 100%	
Appearance and Odor- YELLOW COLOR LIQUID WITH SOLVENT ODOR.	

Section 4 - Fire and Explosion Hazard Data

Flash Point- None	Flammable Limits - Not Tested
LEL- Not Tested	UEL- Not Tested
pH- 12 -13	
DOT# NONE	

NFPA Hazard Rating -	H	F	R	S	HMIS Hazard Rating -	H	F	R
(0- Least, 4- Extreme)	2	0	0	0		2	0	0

Extinguishing Media- CO2, Dry Foam, Water

Special Fire Fighting Procedures None

Unusual Fire and Explosion Hazards None

Section 5 - Reactivity Data

Stability - Stable

Conditions to Avoid - None

Incompatible Materials to Avoid- Strong Oxidizers, Strong Acidic Materials

Hazardous Decomposition or Byproducts- CO, CO2

Hazardous Polymerization- None

Conditions to Avoid- None

Section 6 - Health Hazard Data

# 320811; 320812; 320814; 320815

Routes of Entry

Inhalation? - Possible

Skin? - Possible

Ingestion? - Possible

Health Hazards - Same as Signs and Symptoms of Exposures

Note - All Chemicals in this Product are Found on the TSCA Inventory List.

OSHA Carcinogenicity? - None; NTP? - None; IARC Monographs? - None.

Signs and symptoms of overexposure:

Eyes - Burning Sensation

Skin- Irritant. Avoid prolonged skin contact.

Ingestion- Burning Irritation, pain and corrosive to mouth, throat and stomach.

Inhalation- Dizziness, Headaches, Irritation. Avoid breathing vapor or spray mist.

Medical Conditions Generally Aggravated by Exposure - Same as Signs and Symptoms of Over Exposure.

Emergency and First Aid Procedures

Eyes - Flush with water for 15 minutes. If irritation persists, call physician.

Skin- Wash Off With Soap & Water, If Irritation Persists, Call Physician

Ingestion- Drink Large Amounts of Water, Follow With Citrus Juice. Call Physician

Inhalation- Get Person to Fresh Air If Unconscious, Call Physician

---

Section 7 - Precautions For Safe Handling and Use.

Steps to be taken in case material is released or spilled - Contain with an inert, absorbent material. Collect in an approved container and place in a proper waste disposal container.

Waste Disposal Method - Dispose of in accordance with state and local regulations.

Precautions To Be Taken In Handling and Storing - Store in a cool, dry place, out of direct sunlight. Do not freeze, less than or equal to 32 F, or heat above 110 F.

Other Precautions - Keep out of reach of children. Follow directions on the container for proper use of this product.

---

Section 8 - Control Measures

Respiratory Protection - Open all doors and windows. "If" there is an exposure, and it is above the TLV or PEL, a NIOSH approved respirator equipped for the exposure or suitable respiratory protection per 29 CFR 1910.134, is required.

Ventilation	Local Exhaust - If Available	Special - None
	Mechanical - If Available	Other - None

Protective Gloves- Plastic or Rubber, Chemical Resistant

Eye Protection- Glasses, Goggles

Other Protective Clothing or Equipment- Chemical Resistant Clothing

Hygienic Work Practices - Use common sense and care around chemicals. Never mix chemicals. Consult your supervisor for other practices. All practices depend on your specific business. Directions for use are normally found on label which will dictate engineering and control measures.

Other Special Requirements None

Note: Waxie believes the data set forth are accurate, Waxie makes no warranty with respects thereto and disclaims all liability for reliance thereon. Such data are offered solely for consideration, investigation and verification. Also, the data set forth is for the concentrated finished product. All lab samples are for experimental purposes only and used at the customers discretion





Identity # 031510; 031514

Name W-600 HEAVY-DUTY OVEN CLEANER

Section 1

Manufactured For - Waxie Sanitary Supply  
 Address - 9353 Waxie Way Emergency Phone (Chem-Tel) 1-(800) 255-3924  
 City - San Diego State - CA 92123-1036 Phone - (800) 995-4466

Date Prepared- 12/4/2012

Section 2 - Hazardous Ingredients/Identity Information

Hazardous Components	CAS#	OSHA PEL	ACGIH TLV	Weight% (Optional)
2-Butoxy Ethanol *	111-76-2	25PPM	25PPM	
Potassium Hydroxide	1310-58-3	2MG/M3	2MG/M3	
2-Amino-Ethanol	141-43-5	3PPM	3PPM	

Note: This product does not contain a chemical known to the State of California to cause cancer and or other reproductive harm as listed in the California Proposition 65.

VOC Content- 10. g/L

Section 3 - Physical/Chemical Characteristics

Boiling Point- >212 F  
 Vapor Pressure - Not Tested  
 Vapor Density - Not Tested  
 Solubility In Water- 100%  
 Appearance and Odor- AMBER COLOR LIQUID WITH SOLVENT ODOR.

Specific Gravity- 1.160  
 Melting Point - Not Tested  
 Evaporation Rate - Not Tested

Section 4 - Fire and Explosion Hazard Data

Flash Point- None  
 LEL- Not Tested  
 pH- 13 - 14  
 DOT# Qt: Ltd. Qty.;Gal & Up: NA1760  
 NFPA Hazard Rating - H F R S HMIS Hazard Rating - H F R  
 (0- Least, 4- Extreme) 3 0 0 0 3 0 0

Extinguishing Media- CO2, Dry Foam, Water

Special Fire Fighting Procedures None

Unusual Fire and Explosion Hazards None

Section 5 - Reactivity Data

Stability - Stable  
 Conditions to Avoid - None  
 Incompatible Materials to Avoid- Strong Oxidizers, Acidic Materials, Aluminum & Soft Metals  
 Hazardous Decomposition or Byproducts- CO, CO2  
 Hazardous Polymerization- None  
 Conditions to Avoid- None

## Routes of Entry

Inhalation? - Possible

Skin? - Possible

Ingestion? - Possible

Health Hazards - Same as Signs and Symptoms of Exposures

Note - All Chemicals in this Product are Found on the TSCA Inventory List.

OSHA Carcinogenicity? - None; NTP? - None; IARC Monographs? - None.

Signs and symptoms of overexposure: Corrosive to eye tissue. Can cause permanent eye damage. Avoid any eye con

Eyes - Burning Sensation. May cause permanent eye damage with eyes contact.

Skin- Severe irritation and burning. Corrosive. Avoid skin contact.

Ingestion- Severe Burning irritation, pain. Corrosive to mouth, throat, stomach and mucous membrane. May be fatal if swallowed.

Inhalation- Dizziness, Headaches, Irritation, Nausea.

Medical Conditions Generally Aggravated by Exposure - Same as Signs and Symptoms of Over Exposure.

## Emergency and First Aid Procedures

Eyes - Flush with water for 15 minutes. If irritation persists, call physician.

Skin- Wash Off With Soap &amp; Water, Clean Underneath Fingernails, If Irritation Persists, Call Physician

Ingestion- Drink Large Amounts of Water, Follow With Citrus Juice. Call Physician

Inhalation- Get Person to Fresh Air If Unconscious, Call Physician

## Section 7 - Precautions For Safe Handling and Use.

Steps to be taken in case material is released or spilled - Contain with an inert, absorbent material. Collect in an approved container and place in a proper waste disposal container.

Waste Disposal Method - Dispose of in accordance with state and local regulations.

Precautions To Be Taken In Handling and Storing - Store in a cool, dry place, out of direct sunlight. Do not freeze, less than or equal to 32 F, or heat above 110 F.

Other Precautions - Keep out of reach of children. Follow directions on the container for proper use of this product.

## Section 8 - Control Measures

Respiratory Protection - Open all doors and windows. "If" there is an exposure, and it is above the TLV or PEL, a NIOSH approved respirator equipped for the exposure or suitable respiratory protection per 29 CFR 1910.134, is required.

Ventilation Local Exhaust - If Available Special - None  
Mechanical - If Available Other - None

Protective Gloves- Plastic or Rubber, Chemical Resistant

Eye Protection- Glasses, Goggles

Other Protective Clothing or Equipment- Chemical Resistant Clothing

Hygienic Work Practices - Use common sense and care around chemicals. Never mix chemicals. Consult your supervisor for other practices. All practices depend on your specific business. Directions for use are normally found on label which will dictate engineering and control measures.

Other Special Requirements None

Note: Waxie believes the data set forth are accurate, Waxie makes no warranty with respects thereto and disclaims all liability for reliance thereon. Such data are offered solely for consideration, investigation and verification. Also, the data set forth is for the concentrated finished product. All lab samples are for experimental purposes only and used at the customers discretion

Phone#: (858) 292-8111

Latest Revision Date...01/01/11  
Print Date.....03/10/11  
EMERGENCY PHONE NUMBER: 1-800-424-9300

WAXIE CLEANSER

=====  
SECTION 1 PRODUCT IDENTIFICATION  
=====

PRODUCT NAME OR NUMBER..... WAXIE CLEANSER  
TRADE NAME OR CHEMICAL NAME..... WAXIE CLEANSER  
SYNONYMS..... N/A  
FORMULA..... PROPRIETARY  
CHEMICAL FAMILY..... CLEANSER  
MOLECULAR WEIGHT..... N/A  
NFPA..... SEE SECTION 8  
HMIS RATING..... SEE SECTION 8

=====  
SECTION 2 HAZARDOUS INGREDIENTS / HAZARD DATA  
=====

<u>CHEMICAL NAME(S)</u>	<u>CAS NUMBER</u>	<u>% WT</u>	<u>TLV-ACGIH</u>	<u>PBL-OSHA</u>	<u>SEC. 313</u>	<u>NTP</u>	<u>IARC</u>	<u>PROP. 65</u>
SODIUM DICHLORO-S-TRIAZINETRIO	002893-78-9	<1.0	NONE	NONE	No	NO	NO	No

=====  
SECTION 3 REGULATORY DATA  
=====

NTP..... NATIONAL TOXICOLOGY PROGRAM  
IARC..... INTERNATIONAL AGENCY FOR RESEARCH ON CANCER  
PROPOSITION 65..... THIS PRODUCT CONTAINS INGREDIENTS ON  
THE LIST OF PROPOSITION 65.  
STATE OF CALIFORNIA SAFE DRINKING WATER AND  
TOXIC ENFORCEMENT ACT OF 1986.  
SECTION 313 SARA TITLE III... THE CHEMICAL(S) MARKED WITH A "YES" ON  
SECTION 313 ARE SUBJECT TO THE REPORTING  
REQUIREMENTS OF THIS SECTION.

=====  
SECTION 4 PHYSICAL DATA  
=====

BOILING/MELTING POINT @760 mm Hg N/A  
pH..... 11.0 OF A 10% SOLUTION  
SPECIFIC GRAVITY OR BULK DENSITY 2.65  
SOLUBILITY IN WATER..... N/A  
APPEARANCE..... WHITE CRYSTALLINE POWDER  
ODOR..... NONE

=====  
SECTION 5 FIRE AND EXPLOSION HAZARD DATA  
=====

FLASH POINT °F (Test Method).... NON-FLAMMABLE  
AUTOIGNITION TEMPERATURE..... N/A  
FLAMMABILITY LIMITS IN AIR (% V) NOT DETERMINED  
EXTINGUISHING MEDIA..... WATER, CARBON DIOXIDE, FOAM, DRY CHEMICAL.  
SPECIAL FIRE FIGHTING PROCEDURES WEAR SELF CONTAINED BREATHING APPARATUS  
AND FULL PROTECTIVE EQUIPMENT.  
UNUSUAL FIRE & EXPLOSION HAZARDS EXTINGUISH ALL NEARBY SOURCES OF IGNITION.

WAXIE CLEANSER

=====  
**SECTION 6**                    HEALTH HAZARD DATA \* EFFECTS OF OVEREXPOSURE  
=====

THRESHOLD LIMIT VALUE.....SEE SECTION 2

SIGN AND SYMPTOMS OF EXPOSURE

EYES.....DIRECT CONTACT WITH CONCENTRATED PRODUCT MAY CAUSE MODERATE IRRITATION AND TEARING.  
SKIN.....REPEATED OR PROLONGED CONTACT MAY CAUSE IRRITATION OR DRYING.  
INHALATION.....BREATHING DUST OR MIST MAY IRRITATE THE NOSE AND THROAT.  
INGESTION.....SWALLOWING LARGE QUANTITIES MAY CAUSE NAUSEA, VOMITING, DIARRHEA AND ABDOMINAL PAIN.  
CHRONIC OVEREXPOSURE.....NONE KNOWN

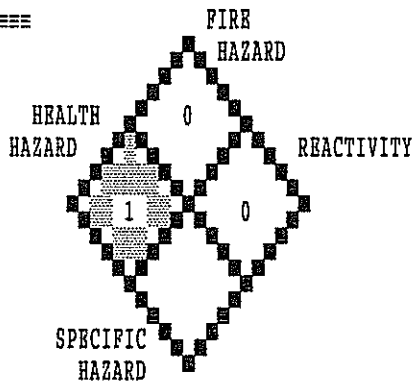
=====  
**SECTION 7**                    EMERGENCY AND FIRST AID PROCEDURES  
=====

INHALATION.....MOVE SUBJECT TO FRESH AIR. IF BREATHING IS DIFFICULT, OBTAIN MEDICAL HELP.  
EYES.....FLUSH EYES WITH A LARGE AMOUNT OF WATER FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN IF IRRITATION PERSISTS.  
SKIN.....WASH AFFECTED SKIN AREAS WITH WATER. CONSULT PHYSICIAN IF IRRITATION PERSISTS.  
INGESTION.....NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER. GET MEDICAL ATTENTION IMMEDIATELY.

=====  
**SECTION 8**                    HMS RATING SYSTEM  
=====

NFPA

====



HMS RATING

=====

HEALTH HAZARD.....:1  
FIRE HAZARD.....:0  
REACTIVITY.....:0  
PERSONAL PROTECTION...:SEE SECTION 10

=====  
**SECTION 9**                    REACTIVITY DATA  
=====

PRODUCT STABILITY..... STABLE  
    Conditions to Avoid.....  
CHEMICAL INCOMPATIBILITY..... DO NOT MIX WITH OTHER PRODUCTS, ESPECIALLY TOILET BOWL CLEANERS OR PRODUCTS THAT CONTAIN AMMONIA.  
HAZARDOUS DECOMPOSITION PRODUCTS PHOSPHOROUS OXIDES FROM TEMPERATURES ABOVE 400°F.  
HAZARDOUS POLYMERIZATION..... WILL NOT OCCUR  
    Conditions to Avoid..... NONE KNOWN  
CORROSIVE TO METAL..... NO  
OXIDIZER..... NO

=====  
**SECTION 10**                    SPECIAL PROTECTION INFORMATION  
=====

RESPIRATORY PROTECTION.....NOT NEEDED

VENTILATION:

WAXIE CLEANSER

=====  
SECTION 10

SPECIAL PROTECTION INFORMATION

CONT'D  
=====

LOCAL EXHAUST.....NEEDED

PROTECTIVE CLOTHING.....SAFETY GLASSES, NEOPRENE OR RUBBER GLOVES.

=====  
SECTION 11

ENVIRONMENTAL DATA

=====  
ENVIRONMENTAL TOXICITY DATA..... NONE KNOWN

SPILL OR LEAK PROCEDURES..... CONTAIN, COLLECT AND DISPOSE PER LOCAL,  
STATE AND FEDERAL REGULATIONS.

WASTE DISPOSAL METHOD..... PER LOCAL, STATE AND FEDERAL REGULATIONS.

CONTAINER DISPOSAL..... PER LOCAL, STATE AND FEDERAL REGULATIONS.  
=====

SECTION 12

SHIPPING DATA

=====  
D.O.T. PROPER SHIPPING NAME..... NONE

HAZARDOUS SUBSTANCE..... NONE

D.O.T. HAZARD CLASS..... NOT REGULATED

D.O.T. LABELS REQUIRED..... NONE

D.O.T. PLACARDS REQUIRED..... NONE

POISON CONSTITUENT..... NO

BILL OF LADING DESCRIPTION..... WAXIE CLEANSER

PACKING GROUP..... NONE

UN/NA CODE..... NON-HAZARDOUS POWDER  
=====

SECTION 13

SUPPLIER INFORMATION

=====  
While Waxie Sanitary Supply believes the statements set forth herein are accurate as of the date hereof, Waxie Sanitary Supply makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data are offered solely for your consideration, investigation and verification.

# MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND DISTRIBUTOR'S INFORMATION						
<b>NFPA Rating:</b> Health-2; Flammability-3; Reactivity-0; Special--			<b>HMIS Rating:</b> Health-2; Flammability-3; Reactivity-0; Personal Protection-B			
<b>Manufactured For:</b> WAXIE Enterprises, Inc. Address: P.O. Box 23506 Address: San Diego, CA 92193-3506			<b>DOT Hazard Classification:</b> ORM-D <b>Identity</b> (trade name as used on label): <b>Waxie Hospital Spray Surface Disinfectant</b>			
Phone: 1-800-995-4466			<b>MSDS Number:</b> 223      Revision- 10			
Emergency Response Number: 1-800-255-3924			Date Prepared: 10/05/00      Prepared By: DL/IB			
<b>NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA</b> Information Calls: 858-292-8111						
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)		CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
ETHANOL		64-17-5	No	1000	1000	d
SODIUM NITRITE		7632-00-0	No	N/E	N/E	d
AMMONIUM HYDROXIDE		1336-21-6	No	35	25	d
ISOBUTANE / PROPANE BLEND		75-28-5	No	800	800	d
		74-98-6	No	1000	1000	d
METHANOL		67-56-1	Yes	200	200	d
O-PHENYLPHENOL		90-43-7	Yes	NE	NE	e
<b>WARNING: This product contains a chemical or chemicals known to the State of California to cause cancer.</b>						
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
<b>Boiling Point:</b> N/A			<b>Specific Gravity</b> (H2O=1): Concentrate Only = 0.880			
<b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): Max.60			<b>Vapor Pressure</b> (Non-Aerosols)(mm Hg and Temperature): N/A			
<b>Vapor Density</b> (Air = 1): N/E			<b>Evaporation Rate</b> ( = 1): N/E			
<b>Solubility in Water:</b> Soluble			<b>Water Reactive:</b> No			
<b>Appearance and Odor:</b> Clear, colorless spray, light airy fragrance.						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
<b>FLAMMABILITY</b> as per USA FLAME PROJECTION TEST (aerosols) NON-FLAMMABLE		<b>Auto Ignition Temperature</b> N/E		<b>Flammability Limits in Air by % in Volume:</b> % LEL: N/E      % UEL: N/E		
<b>FLASH POINT AND METHOD USED</b> (non-aerosols): N/A			<b>EXTINGUISHER MEDIA:</b> Foam, dry chemical, carbon dioxide, water.			
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Self-contained breathing apparatus.						
<b>Unusual Fire &amp; Explosion Hazards:</b> Do not expose aerosols to temperatures above 130°F or the container may rupture.						
SECTION 4 - REACTIVITY HAZARD DATA						
<b>STABILITY</b> [ X ] STABLE [ ] UNSTABLE			<b>HAZARDOUS POLYMERIZATION</b> [ ] WILL [ X ] WILL NOT OCCUR			
<b>Incompatibility</b> (Mat. to avoid): Oxidants, reducing agents, ammonium salts.			<b>Conditions to Avoid:</b> Open flame, welding arcs, heat, sparks.			
<b>Hazardous Decomposition Products:</b> CO, CO2.						
SECTION 5 - HEALTH HAZARD DATA						
<b>PRIMARY ROUTES OF ENTRY:</b> [ X ] INHALATION [ ] INGESTION [ ] SKIN ABSORPTION [ ] EYE [ ] NOT HAZARDOUS						
ACUTE EFFECTS						
<b>Inhalation:</b> Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects and possible unconsciousness.						
<b>Eye Contact:</b> Mild irritation.			<b>Skin Contact:</b> Possible mild irritation.			
<b>Ingestion:</b> Possible chemical pneumonitis if aspirated into lungs. Nausea.						
<b>CHRONIC EFFECTS:</b> (Effects due to excessive exposure to the raw materials of this mixture) Overexposure may cause kidney damage, liver abnormalities, brain damage.						
<b>Medical Conditions Generally Aggravated by Exposure:</b> May aggravate existing eye, skin, or upper respiratory conditions.						
EMERGENCY FIRST AID PROCEDURES						
<b>Eye Contact:</b> Flush with water for 15 minutes. If irritated, seek medical attention.						
<b>Skin Contact:</b> Wash with soap and water. If irritated, seek medical attention.						
<b>Inhalation:</b> Remove to fresh air. Resuscitate if necessary. Get medical attention.						
<b>Ingestion:</b> DO NOT INDUCE VOMITING. Drink two large glasses of water. Get immediate medical attention.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
<b>Respiratory Protection (specify type):</b> If vapor concentration exceeds TLV, use respirator approved by NIOSH in positive pressure mode.						
<b>Protective Gloves:</b> Latex, if skin easily irritated.			<b>Eye Protection:</b> Safety glasses recommended.			
<b>Ventilation Requirements:</b> Adequate ventilation to keep vapor concentration below TLV.						
<b>Other Protective Clothing &amp; Equipment:</b> None						
<b>Hygienic Work Practices:</b> Wash with soap and water before handling food. Remove contaminated clothing.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
<b>Steps To Be Taken If Material Is Spilled Or Released:</b> Absorb with suitable medium. Incinerate or landfill according to local, state or federal regulations.						
<b>Waste Disposal Methods:</b> Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.						
<b>Precautions To Be Taken In Handling &amp; Storage:</b> Do not puncture or incinerate containers. Do not store at temperatures above 130°F.						
<b>Other Precautions &amp;/or Special Hazards:</b> KEEP OUT OF REACH OF CHILDREN. Avoid food contamination. Avoid breathing vapors. Remove ignition sources. Do not use on polished wood furniture or rayon fabrics.						

*We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.*  
\*\* Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only

Product: 950141 WAXIE SPARKLE LIQUID GLASS CLEANER  
Emergency Phone # (800) 255-3924

Effective : 05/27/03  
Supersedes: 01/27/99  
SDRDS

\*\*\* MATERIAL SAFETY DATA SHEET \*\*\*

\*\*\* SECTION I-PRODUCT IDENTIFICATION \*\*\*

***** MANUFACTURER *****	***** DISTRIBUTED BY *****
GENLABS	WAXIE SANITARY SUPPLY
PO BOX 1697	Corporate Headquarters
	9353 Waxie Way
CHINO, CA 91708-/10	San Diego, CA 92123
(909) 591-8451	(858) 292-8111
	Tom Seaton
	Director of Product Management

HAZARD RATING	HMIS	NFPA
Health	: 0 Insignificant	0 Insignificant
Flammability	: 0 Insignificant	0 Insignificant
Reactivity	: 0 Insignificant	0 Insignificant

\*\*\* SECTION II-HAZARDOUS INGREDIENTS/IDENTITY INFORMATION \*\*\*

CAS #	INGREDIENTS	WEIGHT %
111-76-2	{SARA, PA, NJ, MA} 2-Butoxyethanol (EGBE)	
	EXPOSURE LIMIT : TLV/PEL: 25 ppm Skin	

See Regulatory Information (Section XII)  
for explanation of bracketed information.

\*\*\* SECTION III-PHYSICAL DATA \*\*\*

APPEARANCE/ODOR.....: Blue, Solvent Odor.  
 SPECIFIC GRAVITY.....: 0.998.  
 VAPOR PRESSURE - (mm Hg).....: Not Tested.  
 PERCENT VOLATILE BY VOLUME (%)....: No Data Available.  
 SOLUBILITY IN WATER.....: 100%.  
 VAPOR DENSITY (Air=1).....: Not Tested.  
 FREEZING POINT (\*F).....: No Data Available.  
 BOILING POINT (\*F).....: >212 degrees F.  
 ph.....: 6.5 - 8.0.  
 EVAPORATION RATE (Butyl Acetate=1): Not Tested.  
 VOC (as packaged, minus H2O(Water): 49.8 g/L.  
 THEORETICAL VOC (lb/gal).....: No Data Available.

\*\*\* SECTION IV-FIRE AND EXPLOSION INFORMATION \*\*\*

FLASH POINT (\*F) (Method Used):  
None.  
 FLAMMABLE LIMITS:  
Not Tested. LEL / UEL: Not Tested.  
 EXTINGUISHING MEDIA:  
CO2, Dry Foam.  
 SPECIAL FIREFIGHTING PROCEDURES:  
None.  
 UNUSUAL FIRE AND EXPLOSION HAZARDS:  
None.

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\*\*\* SECTION V-HEALTH HAZARD DATA \*\*\*

PRIMARY ROUTE OF ENTRY:

Inhalation, Skin, Ingestion.

SIGNS AND SYMPTOMS:

EYES: Burning Sensation.

SKIN: Not expected to be a problem.

INGESTION: Nausea.

INHALATION: Not expected to be a problem.

FIRST AID PROCEDURES:

EYES: Flush with water for 15 minutes. If irritation persists, call physician.

SKIN: Wash off with soap and water.

INGESTION: Drink large amounts of water, call physician.

INHALATION: See Above.

OSHA Carcinogenicity- None; NTP- None; IARC Monographs- None.

MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE:

Same as signs and symptoms of over exposure.

\*\*\* SECTION VI-REACTIVITY DATA \*\*\*

STABILITY:

Stable.

STABILITY-CONDITIONS TO AVOID:

None.

INCOMPATIBILITY:

Strong oxidizers, Heat, Flames.

HAZARDOUS DECOMPOSITION PRODUCTS:

CO, CO2.

HAZARDOUS POLYMERIZATION:

None.

HAZARDOUS POLYMERIZATION-CONDITIONS TO AVOID:

None.

\*\*\* SECTION VII-SPILL OR LEAK PROCEDURES \*\*\*

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Soak up with inert, absorbant material. Scoop up and place in a proper waste disposal container.

WASTE DISPOSAL INFORMATION:

Dispose of in accordance with state and local regulations.

\*\*\* SECTION VIII-SPECIAL PROTECTION INFORMATION \*\*\*

RESPIRATORY PROTECTION:

Open all doors and windows. If there is an exposure, and it is above the TLV or PEL, a NIOSH approved respirator equipped for the exposure or suitable respiratory protection per 29 CFR 1910.134, is required.

VENTILATION:

Local Exhaust: If Available. Special: None.

Mechanical: If Available. Other: None.

PROTECTIVE GLOVES:

None

EYE PROTECTION:



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\*\*\* SECTION VIII-SPECIAL PROTECTION INFORMATION \*\*\*

None.

OTHER PROTECTIVE MEASURES:

Use common sense and care around chemicals. Never mix chemicals.  
Consult your supervisor for other practices. All practices depend on  
your specific business. Directions for use are normally found on label  
which will dictate engineering and control measures.

\*\*\* SECTION IX-SPECIAL PRECAUTIONS \*\*\*

PRECAUTIONARY LABELING:

KEEP OUT OF THE REACH OF CHILDREN. Follow directions on the container  
for proper use of this product.

OTHER HANDLING AND STORAGE CONDITIONS:

Store in a cool, dry place, out of direct sunlight. Do not freeze,  
less than or equal to 32 degrees F, or heat above 110 degrees F.

\*\*\* SECTION X-ADDITIONAL INFORMATION \*\*\*

ADDITIONAL INFORMATION:

All chemicals incorporated into this product are found on the TSCA  
Inventory List.

2-butoxyethanol is a SARA 313 Chemical.

OSHA CARCINOGENICITY- None; NTP- None; IARC Monographs- None.

\*\*\* SECTION XI-TRANSPORTATION INFORMATION \*\*\*

DOT CLASS:

Not classified as a hazardous material.

DOT #:

Not Applicable.

SHIPPING NAME:

Compound, Cleaning Liquid.

DOT NOTES:

Not Applicable.

\*\*\* SECTION XII-REGULATORY INFORMATION \*\*\*

Note: Genlabs believes the data set forth are accurate, Genlabs makes no  
warranty with respects thereto and disclaims all liability for reliance  
thereon. Such data are offered solely for consideration, investigation and  
verification. Also, the data set forth is for the concentrated finished  
product.

These ingredients are subject to the reporting requirements under the  
Massachusetts Hazardous Substance List

These ingredients are subject to the reporting requirements under the New  
Jersey Right to Know Hazardous Substance List

These ingredients are subject to the reporting requirements under the  
Pennsylvania Hazardous Substance List

These ingredients are subject to the reporting requirements under the

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\*\*\* SECTION XII-REGULATORY INFORMATION \*\*\*

Superfund Amendments and Reauthorization Act of 1986 Title III, Section 313 and 40 CFR Part 372

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## Safety Data Sheet

### 1 - Chemical Product and Company Identification

<b>Manufacturer:</b> WD-40 Company <b>Address:</b> 9715 Business Park Ave San Diego, CA , USA <b>Post code:</b> 92131 <b>Telephone:</b> +1-800-448-9340 +1-858-251-5600  <b>24 Hour Emergency Phone Number:</b> 1-888-324-7596 (PROSAR) <b>Chemical Spills:</b> 1-800-424-9300 (Chemtrec) 1-703-527-3887 (International Calls)	<b>Chemical Name:</b> Organic Mixture  <b>Trade Name:</b> WD-40 Aerosol  <b>Product Use:</b> Lubricant, Penetrant, Drives Out Moisture, Removes and Protects Surfaces From Corrosion  <b>SDS Date Of Preparation:</b> 12/28/17
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### 2 – Hazards Identification

#### GHS Classification:

Flammable Aerosol Category 1

Aspiration Toxicity Category 1

Skin Irritation Category 3

Specific Target Organ Toxicity Single Exposure Category 3 (nervous system effects)



#### DANGER!

H222 Extremely flammable aerosol.

H229 Pressurized container: may burst if heated.

H304 May be fatal if swallowed and enters airways.

H316 Causes mild skin irritation.

H336 May cause drowsiness or dizziness.

#### Prevention

P210 Keep away from heat, sparks, open flames, and hot surfaces. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P261 Avoid breathing mist or vapors.

P271 Use only outdoors or in a well-ventilated area.

#### Response

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P331 Do NOT induce vomiting.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER or doctor if you feel unwell.

P332+P313 If skin irritation occurs: Get medical attention.

#### Storage

P405 Store locked up.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

#### Disposal

P501 Dispose of contents and container in accordance with local and national regulations.

### 3 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent	GHS Classification
Aliphatic Hydrocarbon	64742-47-8	50-70%	Flammable Liquid Category 3 Aspiration Toxicity Category 1 Skin Irritation Category 3 Specific Target Organ Toxicity Single Exposure Category 3 (nervous system effects)
Petroleum Base Oil	64742-56-9 64742-65-0 64742-53-6 64742-54-7 64742-71-8	<25%	Not Hazardous
Non-Hazardous Ingredients	Mixture	<10%	Not Hazardous
Carbon Dioxide	124-38-9	2-3%	Gas Under Pressure: Compressed Gas

### 4 – First Aid Measures

**Ingestion (Swallowed):** Aspiration Hazard. DO NOT induce vomiting. Call physician, poison control center or the WD-40 Safety Hotline at 1-888-324-7596 immediately.

**Eye Contact:** Flush thoroughly with water. Remove contact lenses if present after the first 5 minutes and continue flushing for several more minutes. Get medical attention if irritation persists.

**Skin Contact:** Wash with soap and water. If irritation develops and persists, get medical attention.

**Inhalation (Breathing):** If irritation is experienced, move to fresh air. Get medical attention if irritation or other symptoms develop and persist.

**Most Important Symptoms (acute and delayed):** Harmful or fatal if swallowed. If swallowed, may be aspirated and cause lung damage. Prolonged skin contact may cause drying of the skin. Inhalation of mists or vapors may cause nasal and respiratory tract irritation and central nervous system effects such as headache, dizziness and nausea.

**Indication of Immediate Medical Attention or Special Treatment:** Immediate medical attention is required for ingestion.

### 5 – Fire Fighting Measures

**Extinguishing Media:** Use water fog, dry chemical, carbon dioxide or foam. Do not use water jet or flooding amounts of water. Burning product will float on the surface and spread fire.

**Special Fire Fighting Procedures:** Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire-exposed containers with water. Use shielding to protect against bursting containers.

**Unusual Fire and Explosion Hazards:** Contents under pressure. Extremely flammable aerosol. Keep away from ignition sources and open flames. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. Vapors can cause a flash fire. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. A vapor and air mixture can create an explosion hazard in confined spaces.

### 6 – Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:** Eliminate all sources of ignition and ventilate area. Wear appropriate protective clothing (see Section 8).

**Environmental Precautions:** Report spills to authorities as required.

**Methods and Materials for Containment/Cleanup:** Leaking cans should be placed in a plastic bag or open pail until the pressure has dissipated. Contain and collect liquid with an inert absorbent and place in a container for disposal. Clean spill area thoroughly. Report spills to authorities as required.

### 7 – Handling and Storage

**Precautions for Safe Handling:** Avoid contact with eyes. Avoid prolonged contact with skin. Avoid breathing vapors or aerosols. Use only with adequate ventilation. Keep away from heat, sparks, pilot lights, hot surfaces

and open flames. Unplug electrical tools, motors and appliances before spraying or bringing the can near any source of electricity. Electricity can burn a hole in the can and cause contents to burst into flames. To avoid serious burn injury, do not let the can touch battery terminals, electrical connections on motors or appliances or any other source of electricity. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep out of the reach of children. Do not puncture, crush or incinerate containers, even when empty.

**Conditions for Safe Storage, including any incompatibilities:** Store in a cool, well-ventilated area, away from incompatible materials. Do not store in direct sunlight or above 120°F. U.F.C (NFPA 30B) Level 3 Aerosol. Store away from oxidizers.

### 8 – Exposure Controls/Personal Protection

Chemical	Occupational Exposure Limits
Aliphatic Hydrocarbon	1200 mg/m <sup>3</sup> TWA (manufacturer recommended)
Petroleum Base Oil	5 mg/m <sup>3</sup> TWA (inhalable) ACGIH TLV (as mineral oil) 5 mg/m <sup>3</sup> TWA OSHA PEL (as oil mist, mineral)
Non-Hazardous Ingredients	None Established
Carbon Dioxide	5000 ppm TWA, 30,000 ppm STEL ACGIH TLV 5000 ppm TWA OSHA PEL

### The Following Controls are Recommended for Normal Consumer Use of this Product

**Engineering Controls:** Use in a well-ventilated area.

**Personal Protection:**

**Eye Protection:** Avoid eye contact. Always spray away from your face.

**Skin Protection:** Avoid prolonged skin contact. Chemical resistant gloves recommended for operations where skin contact is likely.

**Respiratory Protection:** None needed for normal use with adequate ventilation.

### For Bulk Processing or Workplace Use the Following Controls are Recommended

**Engineering Controls:** Use adequate general and local exhaust ventilation to maintain exposure levels below that occupational exposure limits.

**Personal Protection:**

**Eye Protection:** Safety goggles recommended where eye contact is possible.

**Skin Protection:** Wear chemical resistant gloves.

**Respiratory Protection:** None required if ventilation is adequate. If the occupational exposure limits are exceeded, wear a NIOSH approved respirator. Respirator selection and use should be based on contaminant type, form and concentration. Follow OSHA 1910.134, ANSI Z88.2 and good Industrial Hygiene practice.

**Work/Hygiene Practices:** Wash with soap and water after handling.

### 9 – Physical and Chemical Properties

Appearance:	Light amber liquid	Flammable Limits:	LEL: 0.7% UEL: 5.6% (Aliphatic Hydrocarbon)
Odor:	Mild petroleum odor	Vapor Pressure:	Not established
Odor Threshold:	Not established	Vapor Density:	Greater than 1 (air=1)
pH:	Not established	Relative Density:	Not established
Melting/Freezing Point:	Not established	Solubilities:	Insoluble in water
Boiling Point/Range:	320-388°F (160-198°C) (Aliphatic Hydrocarbon)	Partition Coefficient; n-octanol/water:	Not established
Flash Point:	109°F (43°C) (Aliphatic Hydrocarbon)	Autoignition Temperature:	Not established
Evaporation Rate:	Not established	Decomposition Temperature:	Not established
Flammability (solid, gas):	Flammable Aerosol	Viscosity:	Not established
VOC:	533 grams/liter (65%)	Pour Point:	Not established

## 10 – Stability and Reactivity

**Reactivity:** Non-reactive

**Chemical Stability:** Stable under normal storage and handling conditions.

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

**Conditions to Avoid:** Avoid heat, sparks, flames and other sources of ignition. Do not puncture or incinerate containers.

**Incompatible Materials:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon monoxide and carbon dioxide, smoke fumes, unburned hydrocarbons.

## 11 – Toxicological Information

### Symptoms of Overexposure:

**Inhalation:** Mist or vapors can irritate the throat and lungs. High concentrations may cause nasal and respiratory irritation and central nervous system effects such as headache, dizziness and nausea. Intentional abuse may be harmful or fatal.

**Skin Contact:** Prolonged and/or repeated contact may produce mild irritation and defatting with possible dermatitis.

**Eye Contact:** Contact may be irritating to eyes. May cause redness, stinging, swelling and tearing.

**Ingestion:** This product has low oral toxicity. If swallowed, this material may cause irritation of the mouth, throat and esophagus. Swallowing may cause gastrointestinal irritation, nausea, vomiting, diarrhea, dizziness, drowsiness and other central nervous system effects. This product is an aspiration hazard. If swallowed, can enter the lungs and may cause chemical pneumonitis, severe lung damage and death.

**Chronic Effects:** None expected.

**Medical Conditions Aggravated by Exposure:** Preexisting eye, skin and respiratory conditions may be aggravated by exposure.

### Suspected Cancer Agent:

Yes    No X

### Numerical Measures of Toxicity:

Acute Toxicity Estimates: Oral > 5,000 mg/kg; Dermal >2,000 mg/kg based on an assessment of the ingredients. This product is not classified as toxic by established criteria. It is an aspiration hazard.

## 12 – Ecological Information

**Ecotoxicity:** No specific aquatic toxicity data is currently available; however components of this product are not expected to be harmful to aquatic organisms

**Persistence and Degradability:** Components are expected to be readily biodegradable.

**Bioaccumulative Potential:** Bioaccumulation is not expected based on an assessment of the ingredients.

**Mobility in Soil:** No data available.

**Other Adverse Effects:** None Known

## 13 - Disposal Considerations

Aerosol containers should not be punctured, compacted in home trash compactors or incinerated. Empty containers may be disposed of through normal waste management options. Dispose of all waste product, absorbents, and other materials in accordance with applicable Federal, state and local regulations.

## 14 – Transportation Information

DOT Surface Shipping Description: UN1950, Aerosols, 2.1 Ltd. Qty

(Note: Shipping Papers are not required for Limited Quantities unless transported by air or vessel – each package must be marked with the Limited Quantity Mark)

IMDG Shipping Description: UN1950, Aerosols, 2.1, LTD QTY

ICAO Shipping Description: UN1950, Aerosols, flammable, 2.1

NOTE: WD-40 Company does not test aerosol cans to assure that they meet the pressure and other requirements for transport by air. We do not recommend that our aerosol products be transported by air.

## 15 – Regulatory Information

### U.S. Federal Regulations:

**CERCLA 103 Reportable Quantity:** This product is not subject to CERCLA reporting requirements, however, oil spills are reportable to the National Response Center under the Clean Water Act and many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

### SARA TITLE III:

**Hazard Category For Section 311/312:** See OSHA Hazard Classification in Section 2.

**Section 313 Toxic Chemicals:** This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

**Section 302 Extremely Hazardous Substances (TPQ):** None

**EPA Toxic Substances Control Act (TSCA) Status:** All of the components of this product are listed on the TSCA inventory.

### International Information:

**China Regulations on the Control over Safety of Dangerous Chemicals:** All ingredients in this product are listed on the IECSC (Inventory of Existing Chemical Substances in China 2010).

**Korea:** All of the components of this product are listed on the Korean chemical inventory.

**Philippines:** This product contains an ingredient that is not listed on the PICCS. Only limited volumes can be imported. Contact WD40 for more information.

**Japan:** All of the components of this product are listed on the Japanese chemical inventory.

**Taiwan:** All the components of this product are listed on the Taiwan Inventory.

## 16 – Other Information

### HMIS Hazard Rating:

**Health – 2 (moderate hazard), Fire Hazard – 4 (severe hazard), Physical Hazard – 0 (minimal hazard)**

Revision Date: December 2017

Supersedes: November 2015

Prepared by: Industrial Health & Safety Consultants, Inc. Shelton, CT, USA

2021300/No.