



# MATERIAL SAFETY DATA SHEET

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Company Name</b> Nu-Calgon Wholesaler, Inc.	<b>Phone Number</b> (314) 469-7000 / (800) 554-5499	<b>CHEMTREC</b> (800) 424-9300		
<b>Street Address</b> 2008 Altom Court	<b>City</b> St. Louis	<b>State</b> MO	<b>Postal Code</b> 63146-4151	<b>Last Update</b> 10/12/12
<b>Product Name</b> Aerosol Calclean	<b>Product Number</b> 4081-75	<b>Product Use</b> Detergent Coil Cleaner		<b>EPA Registration #</b> N/A

## SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

<b>Hazardous Ingredients</b>	<b>% By Wt.</b>	<b>CAS Number</b>	<b>TLV</b>	<b>PEL</b>
Isobutane	< 5.0	75-28-5	800 ppm	800 ppm
Propane	< 5.0	74-98-6	1000 ppm	1000 ppm

## SECTION 3 – HAZARD IDENTIFICATION

**Emergency Overview:** CAUTION: Avoid breathing vapors or mists. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 122°F (50°C). Do not pierce or burn, even after use. Do not spray on naked flame or any incandescent material. KEEP OUT OF REACH OF CHILDREN

### **Potential Health Effects**

**Eyes:** Irritating to eyes.

**Skin:** Substance may cause slight skin irritation.

**Ingestion:** Aspiration may cause pulmonary oedema and pneumonitis. Nausea.

**Inhalation:** Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

**Chronic Exposure:** Inhalation of vapours in high concentration may cause irritation of respiratory system.

**Carcinogenicity:** None known

**Medical Conditions Aggravated by Exposure:** May aggravate existing eye, skin, or upper respiratory conditions

## SECTION 4 – FIRST AID MEASURES

**Eyes:** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If eye irritation persists, consult a specialist

**Skin:** Wash off with soap and water. If skin irritation persists, call a physician

**Ingestion:** DO NOT INDUCE VOMITING. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person

**Inhalation:** Move to fresh air. If not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth. Obtain medical attention

## SECTION 5 – FIREFIGHTING MEASURES

**Flash Point:** No Data. °F

**Autoignition Temp:** No Data. °C/No Data. °F

**Hazardous Products of Combustion:** Carbon oxides

**Flammable Limits in Air:** No Data.

**Extinguishing Media:** Dry chemical. Foamy spray. Carbon dioxide (CO<sub>2</sub>).

**Fire and Explosion Hazards:** Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 122°F (50°C)

**Special Firefighting Procedures:** Cool containers / tanks with water spray. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Spill or Leak:** Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Dispose of in accordance with local regulations.

## SECTION 7 – HANDLING AND STORAGE

**Handling Procedures and Equipment:** Ensure adequate ventilation, especially in confined areas. Wash hands before breaks and at the end of workday. Do not pierce or burn, even after use. Do not spray on naked flame or any incandescent material.

**Storage Requirements:** KEEP OUT OF REACH OF CHILDREN. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labelled containers.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection:** When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

**Eye Protection:** Safety glasses with side-shields

**Protective Clothing:** Safety glasses with side-shields. Latex gloves

**Exposure Guidelines:** See Section 2

**Specific Engineering Controls (such as ventilation, enclosed process):** Ensure adequate ventilation, especially in confined areas

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical Form:</b> Aerosol.	<b>Freezing Point:</b> No Data. °C/No Data. °F	<b>% Volatile by Weight:</b> 5.0%
<b>Color:</b> White	<b>Vapor Density [air =1]:</b> No Data.	<b>Evaporation Rate:</b> No Data.
<b>Odor:</b> Characteristic	<b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): Max. 60.	<b>Specific Gravity:</b> 1.08
<b>Boiling Point:</b> No Data. °C/No Data. °F	<b>Solubility in Water:</b> Soluble.	<b>pH (concentrate):</b> No Data.

## SECTION 10 – STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal conditions

**Hazardous Polymerization:** Hazardous polymerization does not occur

**Incompatibilities:** Strong oxidizing agents.

**Reactive Conditions to avoid:** Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 122°F (50°C)

**Decomposition Products:** Carbon oxides

## SECTION 11 – TOXICOLOGICAL INFORMATION

<b>Hazardous Ingredients</b>	<b>CAS #</b>	<b>EINECS #</b>	<b>LD 50 of Ingredient</b> (Specify Species)	<b>LC50 of Ingredient</b> (Specify Species)
Isobutane	75-28-5	No Data.	No Data.	Inhalation LC50 Rat: 57 pph/15M
Propane	74-98-6	No Data.	No Data.	No Data.

## SECTION 12 – ECOLOGICAL INFORMATION

<b>Hazardous Ingredients</b>	<b>Aquatic Toxicity Data</b>
Isobutane	No Data.
Propane	No Data.

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Waste Disposal:** Do not flush into surface water or sanitary sewer system. Dispose of in accordance with local regulations.

## SECTION 14 – TRANSPORTATION INFORMATION

**Special Shipping Information:** No Data.

<u>Purview</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
<b>DOT</b> (Land)	Consumer Commodity ORM-D	No Data.	No Data.	No Data.
<b>IMO</b> (Water)	No Data.	No Data.	No Data.	No Data.
<b>ICAO</b> (Air)	Aerosols, Non-Flammable	UN1950	No Data.	2.2

## SECTION 15 – REGULATORY INFORMATION

<b>WHMIS Classification:</b> (Workplace Hazardous Material Information System)	A, B1
<b>SARA Title III:</b> (Superfund Amendments & Reauthorization Act)	No
<b>OSHA:</b> (Occupational Safety & Health Administration)	Yes
<b>TSCA:</b> (Toxic Substance Control Act)	Present
<b>VOC:</b> (volatile Organic Compounds)	5.0%
<b>CPR:</b> (Canadian Controlled Products Regulations)	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations.
<b>EINECS:</b> (European Inventory of Existing Commercial Chemical Substances)	No Data.
<b>DSL / NDSL:</b> (Canadian Domestic Substance List)(Non-Domestic Substance List)	Present
<b>CERCLA:</b> (Comprehensive Response Compensation & Liability Act)	No
<b>IDL:</b> (Canadian Ingredient Disclosure List)	No Data.
<b>NFPA (HMIS) Rating:</b> (Hazardous Materials Identification System)	Health=1; Fire=1; Reactivity=0 Personal protective equipment = B

## SECTION 16 – OTHER INFORMATION

No Data.

The information contained herein is based on the data available to us and is believed to be correct. However, Nu-Calgon Wholesaler Inc. makes no warranty, expressed, or implied, regarding the accuracy of this data or the results to be obtained from the use thereof. Nu-Calgon Wholesaler Inc. assumes no liability for injury from the use of the product described herein.



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product Name** Liquid Ice Machine Cleaner (4207)  
**CAS #** M0000000000  
**Product use** Clean ice machine  
**Manufacturer** Nu-Calgon  
 10000 Nu-Calgon Blvd  
 Columbus, MO 63101  
 Phone: 314-990-0000 Fax: 314-990-9900  
 Website: www.nu-calgon.com

## 2. Hazards Identification

**Emergency overview** GHS 05, 09  
 H302, H314, H332, H334, H410  
 P201, P202, P273, P301+P312, P301+P331, P302+P352, P303+P361+P531, P304+P340, P305+P351+P338, P308+P313, P501

**Potential short term health effects**

**Routes of exposure** Inhalation, skin contact, ingestion

**Eyes** Causes eye irritation

**Skin** Causes skin irritation

**Inhalation** Causes respiratory irritation, coughing or breathing difficulty

**Ingestion** Causes nausea, vomiting, diarrhea

**Target organs** Respiratory tract, skin

**Chronic effects** May cause respiratory irritation, dermatitis

**Signs and symptoms** Irritation, coughing, sneezing, redness

**OSHA Regulatory Status** This product is a "hazardous material" as defined by the OSHA hazard communication standard, 29 CFR 1910.1201

**Potential environmental effects** This product is not classified as a hazardous material under the EPA criteria

## 3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Sodium hydroxide	1310-73-2	10-100

## 4. First Aid Measures

**First aid procedures**

**Eye contact** Flush eyes with water for at least 15 minutes. Seek medical attention.

**Skin contact** Flush skin with water for at least 15 minutes. Remove contaminated clothing. Seek medical attention if irritation persists.

**Inhalation** Move to fresh air. If symptoms persist, seek medical attention.

**Ingestion** Do not induce vomiting. Rinse mouth. Seek medical attention if symptoms persist.

**General advice** Wear protective gloves and eye protection. Use in well-ventilated area. Avoid breathing vapors. Do not eat, drink, or smoke while using.

## 5. Fire Fighting Measures

**Flammable properties** Not flammable (M) criteria

## Extinguishing media

Suitable extinguishing media  read the SDS for details

Unsuitable extinguishing media  none

## Protection of firefighters

Specific hazards arising from the chemical  none

Protective equipment for firefighters  fire-fighters should wear appropriate equipment and self-contained breathing apparatus

## Hazardous combustion products

Major products are  none

## Explosion data

Sensitivity to mechanical impact  none

Sensitivity to static discharge  none

## 6. Accidental Release Measures

### Personal precautions

See the SDS for details of the appropriate personal protective equipment (PPE) for the chemical. Wear appropriate PPE when handling the chemical.

### Environmental precautions

Prevent the release of the chemical into the environment.

### Methods for containment

Contain the spillage using appropriate materials, such as spill kits or spill pads.

### Methods for cleaning up

See the SDS for details of the appropriate cleaning methods. Use appropriate materials and procedures to clean up any spillage.

## 7. Handling and Storage

### Handling

Use appropriate PPE when handling the chemical. Avoid contact with skin and eyes. Do not breathe dusts or vapours. Store in a cool, dry place.

### Storage

Store in a cool, dry place. Do not store with oxidising agents.

## 8. Exposure Controls / Personal Protection

### Exposure limits

#### Ingredient(s)

#### Exposure Limits

#### ACGIH-TLV

1   3

3   3

#### OSHA-PEL

1   3

### Engineering controls

Use process enclosures, local exhaust ventilation, or other engineering controls to reduce exposure to the chemical.

### Personal protective equipment

#### Eye / face protection

eye protection and face shield

#### Hand protection

gloves

#### Skin and body protection

use appropriate PPE

#### Respiratory protection

See the SDS for details of the appropriate respiratory protection. Use appropriate respiratory protection when handling the chemical.

#### General hygiene considerations

See the SDS for details of the appropriate hygiene considerations. Wash hands after handling the chemical.

## 9. Physical and Chemical Properties

Appearance	☐ clear ☐
Color	☐ ☐ ☐ ☐ ☐ r e s s
Form	☐ ☐ ☐ ☐ d
Odor	☐ d ☐ ☐ r e s s
Odor threshold	☐ ☐ ☐ a ☐ a ☐ a ☐ e
Physical state	☐ ☐ ☐ ☐ d
pH	☐ 1 ☐ ☐ ☐ ☐ e ☐ r a t e ☐
Melting point	☐ ☐ ☐ a ☐ a ☐ a ☐ e
Freezing point	☐ ☐ ☐ a ☐ a ☐ a ☐ e
Boiling point	☐ 00.00 ☐ ☐ ☐ ☐ 0 ☐ ☐ ☐
Pour point	☐ ☐ ☐ a ☐ a ☐ a ☐ e
Evaporation rate	☐ ☐ ☐ a ☐ a ☐ a ☐ e
Flash point	☐ ☐ ☐ a ☐ a ☐ a ☐ e
Auto-ignition temperature	☐ ☐ ☐ a ☐ a ☐ a ☐ e
Flammability limits in air, lower, % by volume	☐ ☐ ☐ a ☐ a ☐ a ☐ e
Flammability limits in air, upper, % by volume	☐ ☐ ☐ a ☐ a ☐ a ☐ e
Vapor pressure	0.03 M ☐ ☐ ☐
Vapor density	☐ ☐ ☐ a ☐ a ☐ a ☐ e
Specific gravity	1 ☐ ☐ ☐ ☐
Octanol/water coefficient	☐ ☐ ☐ a ☐ a ☐ a ☐ e
Solubility (H2O)	☐ ☐ ☐ e e
VOC (Weight %)	0
Viscosity	☐ ☐ ☐ a ☐ a ☐ a ☐ e
Percent volatile	☐ ☐ ☐ a ☐ a ☐ a ☐ e

## 10. Stability and Reactivity

Reactivity	☐ e a s ☐ ☐ ☐ r ☐ ☐ s ☐ ☐ ☐ a ☐ a ☐ a ☐ e ☐ a l e r i a ☐ ☐ r ☐ e i a s ☐
Possibility of hazardous reactions	☐ a ☐ a ☐ r ☐ d ☐ s ☐ ☐ ☐ ☐ e r ☐ a ☐ a ☐ d ☐ e s ☐ ☐ ☐ ☐ ☐ ☐ r ☐ ☐
Chemical stability	☐ a ☐ e ☐ ☐ d e r r e ☐ ☐ ☐ e d e d s ☐ r a ☐ e ☐ ☐ ☐ d ☐ ☐ ☐ s ☐
Conditions to avoid	☐ e a s ☐ ☐ e e ☐ ☐ ☐ ☐ a ☐ a ☐ a ☐ e ☐ a l e r i a ☐ ☐ ☐ s ☐ r ☐ d ☐ ☐ ☐ a ☐ r e a ☐ ☐ ☐ r e d ☐ ☐ ☐ a ☐ e i s ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ e r ☐ e e ☐ ☐ a i s ☐
Incompatible materials	☐ a i s ☐ ☐ s ☐ ☐ d ☐ ☐ e r s ☐ ☐ a s e s ☐ ☐ e d ☐ ☐ ☐ a ☐ e i s ☐
Hazardous decomposition products	M a ☐ ☐ ☐ d e a ☐ d a r e ☐ ☐ ☐ ☐ ☐ r e d ☐ ☐ ☐ ☐ d e s ☐ ☐ ☐ ☐ s ☐ ☐ ☐ r ☐ ☐ s ☐ ☐ d r ☐ e ☐ ☐ a s ☐

## 11. Toxicological Information

### Component analysis - LC50

Ingredient(s)	LC50
☐ ☐ ☐ s ☐ ☐ ☐ r ☐ a ☐ d	☐ ☐ ☐ a ☐ a ☐ a ☐ e

### Component analysis - Oral LD50

Ingredient(s)	LD50
☐ ☐ ☐ s ☐ ☐ ☐ r ☐ a ☐ d	1 ☐ 30 ☐ ☐ ☐ ☐ r a ☐

### Effects of acute exposure

Eye	☐ ☐ r r s i e ☐ ☐ a s e s ☐ e ☐ ☐ a ☐ ☐ ☐ r s ☐ M a ☐ ☐ a s e ☐ ☐ ☐ d e s s ☐
Skin	☐ ☐ r r s i e ☐ ☐ a s e s ☐ e ☐ ☐ a ☐ ☐ ☐ r s ☐
Inhalation	☐ ☐ a ☐ a ☐ ☐ ☐ ☐ s ☐ a ☐ ☐ a ☐ a s e r e s ☐ r a ☐ r ☐ r a ☐ ☐ r r a ☐ ☐ ☐, ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ r ☐ e a d a ☐ ☐ e ☐ ☐ e r ☐ ☐ ☐ e ☐ ☐ s ☐ r e s ☐ a ☐ ☐ a s e d ☐ ☐ ☐ ☐ ☐ ☐ r e a ☐ ☐ ☐, ☐ ☐ ☐ ☐ e s ☐ ☐ ☐, ☐ ☐ ☐ ☐ e s s ☐ ☐ ☐ e s a ☐ d ☐ e ☐ ☐ r r a ☐ e ☐
Ingestion	☐ a r ☐ ☐ ☐ ☐ s ☐ a ☐ ☐ ☐ e d ☐ M a ☐ ☐ a s e ☐ e ☐ ☐ a ☐ ☐ ☐ r s ☐ ☐ ☐ ☐ ☐ ☐, ☐ r r a ☐ a ☐ d s ☐ ☐ a ☐ ☐
Sensitization	☐ ☐ ☐ ☐ a ☐ a ☐ r ☐ d ☐ s ☐ ☐ ☐ ☐ M ☐ ☐ ☐ ☐ ☐ ☐ r ☐ r e r i a ☐
Chronic effects	☐ ☐ ☐ ☐ a ☐ a ☐ r ☐ d ☐ s ☐ ☐ ☐ ☐ M ☐ ☐ ☐ ☐ ☐ ☐ r ☐ r e r i a ☐



Transportation of Dangerous Goods (TDG - Canada)

Basic shipping requirements:

Proper shipping name Hazard class UN number Packing group Additional information: Packaging exceptions



15. Regulatory Information

Canadian federal regulations... ingredient disclosure list... WHMIS status... WHMIS classification... WHMIS labeling



Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical

US Federal regulations... CERCLA (Superfund) reportable quantity... Superfund Amendments and Reauthorization Act of 1986 (SARA)

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

U.S. - CWA (Clean Water Act) - Hazardous Substances

CERCLA (Superfund) reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories... Section 302 extremely hazardous substance... Section 311 hazardous chemical

Clean Air Act (CAA) Clean Water Act (CWA)



**State regulations**

States included are those that have a state authority in case a user, in deletion or other related matter

**U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances**

States included 3 release

**U.S. - Louisiana - Reportable Quantity List for Pollutants**

States included 3 000 000 0 000 000

**U.S. - Massachusetts - Right To Know List**

States included 3 release

**U.S. - Minnesota - Hazardous Substance List**

States included 3 release

**U.S. - New Jersey - Right to Know Hazardous Substance List**

States included 3 s 1 1

**U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances**

States included 3 000 000 100 000 100 000

**U.S. - Pennsylvania - RTK (Right to Know) List**

States included 3 release

**U.S. - Rhode Island - Hazardous Substance List**

States included 3 release

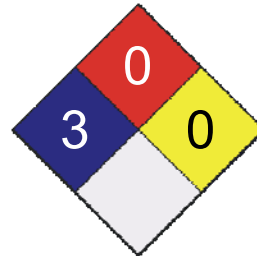
**Inventory name**

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Canada es es	es
Canada	Canada es es	
United States	United States es es	es
* "es" indicates that a user is not required to be added or considered on the other side		

**16. Other Information**

G	
M	
ere	
ers	3
Moderate	
	1
M	0

ea	3
aa	0
saard	0
ersaard	



**Disclaimer**

The information provided here was obtained from sources considered reliable and reliable. The user is responsible for the use of this information. In some cases, data is available and is used to provide information. If the user is not satisfied, the user should contact the source. The user is responsible for the use of this information. The user is responsible for the use of this information.

**Issue date**

01/01/11

**Effective date**

1/01/11

**Expiry date**

1/01/11

**Prepared by**

Information Management (31/09/00)

**Other information**

Information Management, please contact the supplier or the user if the information is not correct.



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name IMS-II Sanitizer (4211)
CAS # M0000
Product use Disinfectant cleaner and deodorizer
Manufacturer M0000, M0000, M0000, M0000, M0000, M0000

2. Hazards Identification

Emergency overview: No hazards or special precautions.
Potential short term health effects: Routes of exposure include eye, skin, and inhalation.
Chronic effects: None reported.
Signs and symptoms: Irritation to eyes, skin, and respiratory tract.
OSHA Regulatory Status: This product is a "hazardous material" as defined in the OSHA hazard communication standard, 29 CFR 1910.1200.

3. Composition / Information on Ingredients

Table with 3 columns: Ingredient(s), CAS #, and Percent. Includes ingredients like Sodium Hypochlorite (9010009), Hydrogen Peroxide (3023000), and others.

4. First Aid Measures

First aid procedures: Eye contact: Flush with water for 15 minutes. Skin contact: Wash with soap and water. Inhalation: Move to fresh air. Ingestion: Do not induce vomiting.
Notes to physician: See product label for medical advice.

**General advice**

For detailed information see the attached safety data sheet. The label here summarizes the information. The labelers are aware of the potential hazards, and have prepared the label to reflect the safety data sheet. The design of the data sheet and label is intended to be clear and self-explanatory.

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**5. Fire Fighting Measures**

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<b>Flammable properties</b>	Flammable liquid criteria
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Air, water, foam, dry powder, CO <sub>2</sub>
<b>Unsuitable extinguishing media</b>	None
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	None
<b>Protective equipment for firefighters</b>	Firefighters should wear appropriate protective equipment as recommended by the manufacturer.
<b>Hazardous combustion products</b>	Mainly carbon dioxide and carbon monoxide. Other products may include carbon dioxide, carbon monoxide, and soot.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	None
<b>Sensitivity to static discharge</b>	None

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**6. Accidental Release Measures**

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<b>Personal precautions</b>	Use appropriate personal protective equipment (PPE) as recommended on the label. Avoid contact with skin and eyes. Wash hands thoroughly after use.
<b>Environmental precautions</b>	Do not discharge into lakes, streams, ponds or rivers.
<b>Methods for containment</b>	Use appropriate containment procedures. Use spill kits, absorbents, or other appropriate materials.
<b>Methods for cleaning up</b>	Refer to the safety data sheet for appropriate cleaning procedures. Use appropriate cleaning agents and methods.

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**7. Handling and Storage**

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<b>Handling</b>	Use appropriate handling procedures. Avoid contact with skin and eyes. Use appropriate PPE. Use appropriate containers and labels. Use appropriate disposal methods.
<b>Storage</b>	Store in a dry, cool, well-ventilated area. Store away from heat, fire, and oxidizing agents. Store in original container. Do not store in food or drink containers. Store in a secure, locked area.

## 8. Exposure Controls / Personal Protection

### Exposure limits

Ingredient(s)	Exposure Limits
Calcium chloride	<b>ACGIH-TLV</b> Not classified <b>OSHA-PEL</b> Not classified
Sodium chloride	<b>ACGIH-TLV</b> TLV 10 mg/m <sup>3</sup> <b>OSHA-PEL</b> Not classified
Calcium chloride hydrate	<b>ACGIH-TLV</b> Not classified <b>OSHA-PEL</b> Not classified
Calcium chloride end hydrate hydrate	<b>ACGIH-TLV</b> Not classified <b>OSHA-PEL</b> TLV 1 mg/m <sup>3</sup>

### Engineering controls

General engineering controls are not applicable.

### Personal protective equipment

#### Eye / face protection

Use safety glasses or safety goggles and ear protection.

#### Hand protection

Wear gloves when handling materials.

#### Skin and body protection

Not required when handling materials.

#### Respiratory protection

Use appropriate respirators where exposure exceeds the level allowed, use appropriate respirators.

#### General hygiene considerations

Use good industrial hygiene practices. Wash hands after contact with materials. Do not eat, drink, or use tobacco products in areas where materials are handled.

## 9. Physical and Chemical Properties

Appearance	Clear
Color	Colorless to light yellow
Form	Solid
Odor	Characteristic
Odor threshold	Not applicable
Physical state	Solid
pH	13.1 (aqueous)
Freezing point	3000 to 1000 °F
Boiling point	1000 to 100 °F
Pour point	Not applicable
Evaporation rate	Same as water
Flash point	None
Auto-ignition temperature	Not applicable
Flammability limits in air, lower, % by volume	Not applicable
Flammability limits in air, upper, % by volume	Not applicable
Vapor pressure	Not applicable
Vapor density	Not applicable
Specific gravity	1.1 to 1.00
Octanol/water coefficient	Not applicable





**Inventory status**

Country(s) or region

United States  Other   
 "es" includes all other countries

Inventory name

Sales  Revenue   
 "es" includes all other countries

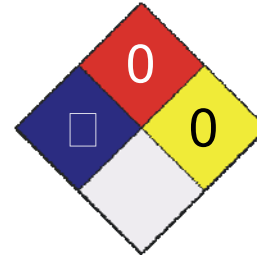
On inventory (yes/no)\*

es

**16. Other Information**

<input type="checkbox"/> Good	
<input type="checkbox"/> Moderate	
<input type="checkbox"/> Severe	<input type="checkbox"/>
<input type="checkbox"/> Critical	3
<input type="checkbox"/> Moderate	<input type="checkbox"/>
<input type="checkbox"/> Severe	1
<input type="checkbox"/> Critical	0

<input type="checkbox"/> Low	<input type="checkbox"/>
<input type="checkbox"/> Medium	0
<input type="checkbox"/> High	0
<input type="checkbox"/> Very High	<input type="checkbox"/>



**Disclaimer**

The information provided here was obtained from sources considered reliable and reasonable and reflects the information as of the date of the report. The information is provided "as is" without any warranty, express or implied, and the user assumes all responsibility for its use. The information is not intended to be used as a substitute for professional advice. The information is not intended to be used as a substitute for professional advice. The information is not intended to be used as a substitute for professional advice.

**Issue date**

01/01/2011

**Effective date**

1/1/2011

**Prepared by**

John Doe (319) 900-0000

**Other information**

For a detailed report, please contact the sponsor or administrator listed on the first page of the document.



HEALTH	1
FLAMMABILITY	4
REACTIVITY	0

## MATERIAL SAFETY DATA SHEET

Prepared by Duro Dyne May 4, 2012

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Trade name:** THE STRIPPER  
**Item #:** 27147  
**Supplier Details:** DURO DYNE CORPORATION  
81 Spence Street  
Bay Shore, NY 11706

#### Information

**Phone No:** 800-899-3876  
**Emergency Phone No:** 800-424-9300 (CHEMTREC)

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % LESS THAN
01	SEV. HYDRO NAPHTHENIC DIST.	64742-52-5	45.0 %
02	SEV. HYDRO LIGHT NAPHTHENIC DIST.	64742-53-6	45.0%
03	ISOBUTANE	75-28-5	10.0 %
04	PROPANE	74-98-6	10.0 %
05	ZINC DIALKYLDITHIOPHOSPHATE	4259-15-8	5.0 %

### EXPOSURE LIMITS

ITEM	ACGIH		OSHA		COMPANY	
	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	TLV-TWA	SKIN
01	5mg / m3 MIST	10 mg/ m3 MIST	5 mg / m3 MIST	N.E.	N.E.	NO
02	5mg / m3 MIST	10 mg/ m3 MIST	5 mg / m3 MIST	N.E.	N.E.	NO
03	N.E.	N.E.	N.E.	N.E.	100 ppm	NO
04	2500 ppm	N.E.	1000 ppm	N.E.	N.E.	NO
05	N.E.	N.E.	N.E.	N.E.	N.E.	NO

(See Section 16 for abbreviation legend)



### **3. HAZARDS IDENTIFICATION**

**\*\*\*EMERGENCY OVERVIEW\*\*\*:** Keep from reach of children. Do not puncture, incinerate, or place aerosol product containers in compactors. Containers of this material may be hazardous when emptied since containers retain product residues (vapor, liquid, and / or solid). All hazard precautions given must be observed. Do not flame cut, braze or use welding torch. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.

#### **Effects of Overexposure:**

<b>Eye Contact:</b>	Can cause severe irritation, redness, tearing, blurred vision.
<b>Skin Contact:</b>	Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.
<b>Inhalation:</b>	Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and even asphyxiation.
<b>Ingestion:</b>	No information.
<b>Chronic Hazards:</b>	No information.
<b>Primary Route (s) of Entry:</b>	Skin contact, inhalation, eye contact.

### **4. FIRST AID MEASURES**

<b>Eye Contact:</b>	Flush with large amounts of water, lifting upper and lower lids occasionally, get medical attention.
<b>Skin Contact:</b>	Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use. Get medical attention if irritation persists.
<b>Inhalation:</b>	Remove individual to fresh air. If breathing is difficult, administer oxygen. Give artificial respiration if breathing has stopped. Keep person warm and quiet. Get medical attention.
<b>Ingestion:</b>	Do not induce vomiting. Give two glasses of water if conscious. Never give anything by mouth to an unconscious person. Get immediate medical attention.

### **5. FIRE FIGHTING MEASURES**

<b>Flash Point (Pensky-Martens C.C.):</b>	-156°F
<b>Lower Explosive Limit:</b>	1.8%
<b>Upper Explosive Limit:</b>	9.5%
<b>Auto-ignition Temperatures:</b>	N.D.
<b>Extinguishing Media:</b>	CO <sub>2</sub> , dry chemical, foam, water fog.
<b>Unusual Fire and Explosion Hazards:</b>	Vapors are heavier than air and travel along the ground or may be moved by ventilation and ignited by ignition sources at locations distant from material handling

point. For aerosol products – exposure to temperatures over 130°F may cause containers to burst releasing highly flammable gas.

**Special Fire Fighting Procedures:**

Wear self-contained breathing apparatus with a full face piece operated in pressure demand or other positive pressure mode when fighting fires. Keep fire exposed containers cool with water fog.

**6. ACCIDENTAL RELEASE MEASURES**

**Release / Spill Measures:**

Eliminate sources of ignition & ventilate area. Persons not properly equipped should be excluded from area. Stop spill at source – prevent spreading. Avoid inhalation of vapors. Avoid skin contact with liquid. Soak up on absorbent material and place into proper container for disposal. Use non-sparkling scoops for flammable materials. Clean walking surfaces thoroughly to reduce slipping hazard.

**7. HANDLING AND STORAGE**

**Handling:**

Containers of this material may be hazardous when emptied, since containers retain product residues (vapor, liquid, and / or solid). All hazard precautions given must be observed. Do not flame cut, braze or use welding torch on containers. Intentional misuse by deliberately concentrating and inhaling the vapors from this product may be harmful or fatal.

**Storage:**

Do not store above 120°F. Do not store in direct sunlight. Keep away from heat sources, open flame, pilot lights, sparks, and other sources of ignition. Do not store above 120°F. Do not store in direct sunlight.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering Controls:**

Provide sufficient mechanical ventilation (general and / or local exhaust) to maintain exposure below TLV (s).

**Respiratory Protection:**

If work place exposure limits of product or any component is exceeded, use a NIOSH / MSHA approved respirator. Consult your safety equipment supplier for recommendations.

**Skin Protection:**

Wear impervious gloves if method of use involves skin contact with product. Consult your safety supply vendor for glove recommendations.

**Eye Protection:**

Wear safety glasses at minimum, more extensive protection may be necessary depending on how the product is to be used.

**Other Protective Equipment:** Wear impervious clothing if bodily exposure is anticipated. Consult your safety supply vendor for recommendations

**Hygienic Practices:** Wash hands before eating or smoking. Smoke in designated areas only. Remove and launder clothing if contaminated.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Range:** -44 - 551°F  
**Odor:** Mild  
**Appearance:** Red liquid  
**Solubility in H<sub>2</sub>O:** Negligible  
**Freeze Point:** N.D.  
**Vapor Pressure:** N.D.  
**Physical State:** Liquid  
**Coefficient of Water / Oil Distribution:** N.D.  
**Vapor Density:** Is heavier than air.  
**Odor Threshold:** N.D.  
**Evaporation Rate:** Is faster than Butyl Acetate.  
**Specific Gravity:** 0.8012  
**pH @ 0.0% :** N.D.  
**Viscosity:** N.D.

(See Section 16 for abbreviation legend)

## 10. STABILITY AND REACTIVITY

**Conditions to Avoid:** Heat, sparks, welding arcs, open flame, pilot lights, static electricity or other sources of ignition.

**Incompatibility:** Strong inorganic acids, strong oxidizers.

**Hazardous Decomposition Products:** Carbon monoxide and carbon dioxide, phosphorous oxide, sulfur dioxide, alkyl sulfides, mercaptans, hydrogen sulfides.

**Hazardous Polymerization:** Will not occur under normal conditions.

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

## 11. TOXICOLOGICAL PROPERTIES

No product or component toxicological information is available.

## 12. ECOLOGICAL INFORMATION

**Ecological Information:** No Information

## 13. DISPOSAL CONSIDERATIONS

**Disposal Method:** Dispose of in accordance with all local, state and federal regulations

#### **14. TRANSPORTATION INFORMATION**

**DOT Proper Shipping Name:** Aerosols  
**DOT Technical Name:**  
**DOT Hazard Class:** 2.1  
**Hazard Subclass:** None  
**DOT UN/NA Number:** UN1950  
**Packing Group:** None  
**Resp. Guide Page:** 126  
**Additional Information:** For domestic ground transportation this product may be shipped as a Consumer Commodity ORM-D or as a Limited Quantity. Outer cartons must have the ORM-D designation or Limited Quantity diamond. DOT is transitioning from Consumer Commodity ORM-D marking to the new Limited Quantity diamond, which affords many of the same benefits as Consumer Commodity ORM-D.

#### **15. REGULATORY INFORMATION**

**U.S. Federal Regulations: As follows**  
**OSHA:**

Hazards by definition of Hazard Communication Standard (29 CFR 1910.1200)

**CERLA- Sara Hazard Category:**

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

IMMEDIATE HEALTH HAZARDS

FIRE HAZARD

PRESSURE GAS HAZARD

**Sara Section 313:**

This product contains the following substances 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:

Chemical Name: Zinc Dialkyldthiophosphate

Cas #: 4259-15-8

WT/WT % is less than: 5.0%

**Toxic Substances Control Act:**

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

Chemical Name: No information is available.

Cas #: No information is available.

**International Regulations: As Follows**  
**Canadian WHMIS:**

This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

**TSCA Inventory:**

Canadian WHMIS Class: No information available.  
All components of this product are on the US TSCA inventory.

**16. OTHER**

**Hazard Rating:**

Health: 1  
Flammability: 4  
Reactivity: 0

**Date MSDS Prepared:**

5/2/12

**VOC Content:**

14.9 % by Weight  
119 Grams / Liter Total Product  
119 Grams / Liter less Water and Exempt  
0.12 LBS / CAN

**Legend:**

N.A. – Not Applicable  
N.E. – Not Established  
N.D. – Not Determined  
CAS Number – Chemical Abstracts Service Number  
TLV- Threshold Limit Value  
TWA- Time Weighted Average  
STEL- Short Term Exposure Limit  
PEL- Permissible Exposure Limit

THE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN ARE BELIEVED TO BE ACCURATE. BECAUSE SOME OF THE INFORMATION IS DERIVED FROM INFORMATION PROVIDED TO DURO DYNE CORPORATION FROM ITS SUPPLIERS, DURO DYNE CORPORATION MAKES NO WARRANTY, EXPRESSED OR IMPLIED, REGARDING THE ACCURACY OF THE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. SINCE THE USE OF THIS INFORMATION AND THE CONDITIONS AND USE OF THIS PRODUCT ARE CONTROLLED BY THE USER, IT IS THE USER'S OBLIGATION TO DETERMINE THE CONDITIONS OF SAFE USE OF THE PRODUCT. THE INFORMATION IS SUPPLIED FOR YOUR INFORMATION AND CONSIDERATION AND DURO DYNE CORPORATION ASSUMES NO RESPONSIBILITY FOR USE OR RELIANCE THEREON. IT IS THE RESPONSIBILITY OF THE USER OF DURO DYNE CORPORATION PRODUCTS TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.

MATERIAL SAFETY DATA SHEET

MSDS 0673

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Jim PR-1L or Clear PR-2L Low VOC	HMIS CODES	
		Health	2
		Flammability	3
		Reactivity	1
PRODUCT CODES	55910, 55912, 55914, 55918, 55920, 55972, 55981, 55982	PPI	B
CHEMICAL FAMILY	Organic		
USE	PVC & CPVC Primer		
MANUFACTURER'S NAME	The RectorSeal Corporation	EMERGENCY TELEPHONE NO.	
	2601 Spenwick Drive	Chemtrec 24 Hours	
	Houston, Texas 77055 USA	(800) 424-9300	
VALIDATION DATE	August 2, 2010	TECHNICAL SERVICE TELEPHONE NO.	
REVISION DATE	August 2, 2010	(800) 231-3345	

Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

% by WT	CAS No.	INGREDIENT	UNITS
20-85	78-93-3	Methyl Ethyl Ketone	
		ACGIH TLV	200 ppm
		OSHA PEL	200 ppm
		STEL	300 ppm
5-12	109-99-9	Tetrahydrofuran	
		ACGIH TLV	50 ppm
		OSHA PEL	200 ppm
		STEL	250 ppm
5-15	108-94-1	Cyclohexanone	
		ACGIH TLV	20 ppm (skin)
		OSHA PEL	50 ppm
0-25	67-64-1	Acetone	
		ACGIH TLV	500 ppm
		OSHA PEL	1000 ppm
		STEL	750 ppm

Section 3 -- HAZARDS IDENTIFICATION

SUMMARY OF ACUTE HAZARDS

Overexposure may cause coughing, shortness of breath, dizziness, central nervous system depression, intoxication and collapse. It may cause irritation to the respiratory tract and to other mucous membranes.

ROUTE OF EXPOSURE, SIGNS AND SYMPTOMS

INHALATION

Overexposure may cause coughing, shortness of breath, dizziness, central nervous system depression, intoxication and collapse. It may cause irritation to the respiratory tract and to other mucous membranes.

EYE CONTACT

Severely irritating. If not removed promptly, will injure eye tissue, which can result in permanent damage.

SKIN CONTACT

Frequent or prolonged contact may irritate and cause dermatitis. Low order of toxicity.

INGESTION

Low order of toxicity. Small amounts of the liquid aspirated into the respiratory system during ingestion, or from vomiting, may cause bronchiopneumonia or pulmonary edema.

SUMMARY OF CHRONIC HAZARDS

Repeated or prolonged exposure may cause signs of central nervous system depression and respiratory irritation. This material has been shown to induce tumors in laboratory animals.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Individuals with pre-existing or chronic diseases of the eyes, skin, respiratory system, cardiovascular system, gastrointestinal system, liver, or kidneys may have increased susceptibility to excessive exposure.

Section 4 -- FIRST AID MEASURES

If INHALED: If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.

If on SKIN: Immediately flush with large amounts of water; use soap if available. Remove contaminated clothing.  
If in EYES: Immediately flush with large amounts of water for at least 15 minutes. Get prompt medical attention.  
If SWALLOWED: If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.

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Section 5 -- FIRE FIGHTING MEASURES  
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FLASH POINT LEL UEL  
-4 F (-20 C) SETA CC 2.2% 12.8%  
EXTINGUISHING MEDIA

Foam, dry chemical, carbon dioxide or water fog.  
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus (SCBA) and other protective clothing. Hazardous decomposition products possible (see Section 10).  
UNUSUAL FIRE AND EXPLOSION HAZARDS: Extremely flammable - very low flash point. Vapors are heavier than air and may travel along ground or to low spots at considerable distance to a source of ignition resulting in potential flashback. Burning liquid may float on water. Heat may build up pressure and rupture closed containers.

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Section 6 -- ACCIDENTAL RELEASE MEASURES  
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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition. Use absorbent materials to prevent footing hazard and to contain. Ventilate area with natural or explosion-proof, forced air ventilation. Avoid flushing into sewers, drains, waterways, and soil. Wear protective clothing and respiratory protection during cleanup.

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Section 7 -- HANDLING AND STORAGE  
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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep container closed and upright when not in use. Do not store near heat, sparks, or open flames. If transferring this material to other containers, ground all containers to avoid static electricity buildup and discharge which may ignite flammable vapors.  
OTHER PRECAUTIONS: Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues and vapors; treat as if full and observe all products precautions. Do not reuse empty containers. KEEP OUT OF REACH OF CHILDREN.

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Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION  
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RESPIRATORY PROTECTION (SPECIFY TYPE): In confined poorly ventilated areas, use NIOSH/MSHA approved air purifying or supplied air purifying or supplied air respirators.  
VENTILATION - LOCAL EXHAUST: Acceptable  
SPECIAL: Explosion-proof equipment.  
MECHANICAL (GENERAL): Preferable  
OTHER: N/A  
PROTECTIVE GLOVES: Wear rubber gloves.  
EYE PROTECTION: Chemical splash goggles (ANSI Z-87.1 or equivalent)  
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls recommended.  
WORK/HYGIENIC PRACTICES: Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

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Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES  
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BOILING POINT: 151 F (66 C) @ 760mm Hg  
SPECIFIC GRAVITY (H2O = 1): <1.0  
VAPOR PRESSURE (mm Hg): 140 @ 68 F (20 C)  
MELTING POINT: N/A  
VAPOR DENSITY (AIR = 1): 2.5  
EVAPORATION RATE (ETHYL ACETATE = 1): 6  
APPEARANCE/ODOR: Clear or Purple Liquid/Pungent Odor  
SOLUBILITY IN WATER: Soluble  
VOC LEVEL: 550 g/L per SCAQMD Test Method 316A

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Section 10 -- STABILITY AND REACTIVITY  
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STABILITY: Can form potentially explosive peroxides upon long standing in air.  
CONDITIONS TO AVOID: Heat, sparks, open flames, and strong oxidizing, acidic and basic conditions.  
INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizers, acids and bases.  
HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO2, HCl and fragmented hydrocarbons.  
HAZARDOUS POLYMERIZATION: Will not occur.

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Section 11 -- TOXICOLOGY INFORMATION  
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CHRONIC HEALTH HAZARDS

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen. Tetrahydrofuran - The National Toxicology Program has reported that exposures of mice and rats to THF vapor levels up to 1800 ppm 6hr/day, 5 days/week for their lifetime caused an incidence of kidney tumors in male rats and liver tumors in female mice. The significance of these findings for human health are unclear at this time, and may be related to "species specific" effects. Elevated incidences of tumors in humans have not been reported for THF.

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TOXICOLOGY DATA  
Ingredient Name

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Methyl Ethyl Ketone  
Oral-Rat LD50:2737 mg/kg  
Inhalation-Rat LC50:23,500 mg/m3/8H  
Tetrahydrofuran  
Oral-Rat LD50:1650 mg/kg  
Inhalation-Rat LC50:21,000 ppm/3H  
Cyclohexanone  
Oral-Rat LD50:1535 mg/kg  
Inhalation-Rat LC50:8000 ppm/4H  
Acetone  
Oral-Rat LD50: 5800 mg/kg  
Inhalation-Rat LC50: 50,100mg/m3  
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Section 12 -- Ecological Information

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ECOLOGICAL DATA  
Ingredient Name

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Methyl Ethyl Ketone  
Food Chain Concentration Potential: None  
WATERFOWL TOXICITY: N/A  
BOD: 214%  
AQUATIC TOXICITY: 5640 mg/l/48 hr/bluegill/TLm/fresh water  
Tetrahydrofuran  
Food Chain Concentration Potential: None  
WATERFOWL TOXICITY: N/A  
BOD: N/A  
AQUATIC TOXICITY: N/A  
Cyclohexanone  
Food Chain Concentration Potential: None  
WATERFOWL TOXICITY: N/A  
BOD: N/A  
AQUATIC TOXICITY: N/A  
Acetone  
Food Chain Concentration Potential: None  
WATERFOWL TOXICITY: N/A  
BOD: N/A  
AQUATIC TOXICITY: LC50/96-hour for fish > 100 mg/l  
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Section 13 -- DISPOSAL CONSIDERATIONS

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Waste Classification: RCRA classified hazardous waste. Dispose of absorbed materials and liquid waste in approved, controlled incineration facility in accordance with all local, state and federal regulations.  
Disposal Method: Incineration  
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Section 14 -- TRANSPORTATION INFORMATION

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DOT: Flammable Liquid, N.O.S. (Methyl Ethyl Ketone & Tetrahydrofuran), Class 3, UN 1993, PG II, ERG#127. Quarts and less: Consumer Commodity, ORM-D  
OCEAN (IMDG): Flammable Liquid, N.O.S. (Methyl Ethyl Ketone & Tetrahydrofuran), Class 3, UN 1993, PG II, IMDG#3230, EMS#3-07  
AIR (IATA): Flammable Liquid, N.O.S. (Methyl Ethyl Ketone & Tetrahydrofuran), Class 3, UN 1993, PG II, ERG#127.  
WHMIS (CANADA): Class B-2  
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Section 15 -- REGULATORY INFORMATION

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REGULATORY DATA  
Ingredient Name

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Methyl Ethyl Ketone  
SARA 313 Yes  
TSCA Inventory Yes  
CERCLA RQ 5,000 lb.  
RCRA Code U159  
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Tetrahydrofuran	SARA 313	No
	TSCA Inventory	Yes
	CERCLA RQ	1,000 lb.
	RCRA Code	U213
Cyclohexanone	SARA 313	No
	TSCA Inventory	Yes
	CERCLA RQ	5,000 lb.
	RCRA Code	U057
Acetone	SARA 313	No
	TSCA Inventory	Yes
	CERCLA RQ	5,000 lb.
	RCRA Code	U002

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Section 16 -- OTHER INFORMATION  
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This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). The information herein is given in good faith, but no warranty, expressed or implied is made. Consult RectorSeal for further information: (713) 263-8001

MATERIAL SAFETY DATA SHEET

MSDS 0676

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Sam CL-3L Low VOC	HMIS CODES	
		Health	2
		Flammability	3
		Reactivity	1
PRODUCT CODES	55929, 55930, 55932, 55934, 55936	PPI	B
CHEMICAL FAMILY	Organic		
USE	PVC, CPVC and ABS Cleaner		
MANUFACTURER'S NAME	The RectorSeal Corporation	EMERGENCY TELEPHONE NO.	
	2601 Spenwick Drive	Chemtrec 24 Hours	
	Houston, Texas 77055 USA	(800)424-9300 USA	
		(703)527-3887 International	
DATE OF VALIDATION	April 19, 2012	TECHNICAL SERVICE TELEPHONE NO.	
DATE OF PREPARATION	April 19, 2012	(800)231-3345 or (713)263-8001	

Section 2 -- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW  
 OSHA Hazards  
 Flammable liquid, Target Organ Effect, Irritant  
 TARGET ORGANS  
 Liver, Kidney  
 GHS CLASSIFICATION  
 PHYSICAL HAZARDS: Flammable Liquid, Category 2  
 HEALTH HAZARDS  
 Acute Toxicity:  
 Oral: Category 4  
 Dermal: Category 5  
 Inhalation: Category 4  
 Skin Corrosion/Irritation: Category 3  
 Serious Eye Damage/Eye Irritation: Category 2A  
 Skin Sensitization: Not Classified  
 Respiratory Sensitization: Not Classified  
 Germ Cell Mutagenicity: Not Classified  
 Carcinogenicity: See Section 11  
 Reproductive Toxicology: Not Classified  
 Target Organ Systemic Toxicity - Single Exposure: Category 3  
 Target Organ Systemic Toxicity - Repeated Exposure: Not Classified  
 Aspiration Toxicity: Not Classified

GHS Label elements, including precautionary statements  
 Pictogram: Flammable, Harmful / Irritant  
 Signal Word: Danger  
 Hazard Statements:  
 H225 - Highly flammable liquid and vapor  
 H302 - Harmful if swallowed.  
 H313 - May be harmful in contact with skin.  
 H316 - Causes mild skin irritation.  
 H318 - Causes serious eye damage.  
 H319 - Causes serious eye irritation  
 H335 + H336 - May cause respiratory irritation, and drowsiness or dizziness.  
 Precautionary Statements:  
 P102 - Keep out of reach of children.  
 P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
 P240 - Ground/Bond container and receiving equipment  
 P261 - Avoid breathing dust/fume/gas/mist/vapors/spray  
 P262 - Do not get in eyes, on skin, or on clothing.  
 P264 - Wash hands thoroughly after handling.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.  
 Remove contact lenses, if present and easy to do. Continue rinsing.  
 P362 - Take off contaminated clothing and wash before reuse.  
 EUH066 - Repeated exposure may cause skin dryness or cracking  
 Precautionary Statements - EU No. 1272/2008

Classification according to EU Directives 67/548/EEC or 1999/45/EC  
 For the full text of the R phrases mentioned in this Section, see Section 16  
 Symbol(s) Xi - Irritant

F - Highly flammable  
R -phrase(s)  
R11 - Highly flammable  
R36 - Irritating to eyes  
R66 - Repeated exposure may cause skin dryness or cracking  
R67 - Vapors may cause drowsiness and dizziness  
R-code(s) F;R11 - Xi;R36 - R66 - R67

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SUMMARY OF ACUTE HAZARDS

Overexposure may cause coughing, shortness of breath, dizziness, central nervous system depression, intoxication and collapse. It may cause irritation to the respiratory tract and to other mucous membranes.

ROUTE OF EXPOSURE, SIGNS AND SYMPTOMS

INHALATION

Overexposure may cause coughing, shortness of breath, dizziness, central nervous system depression, intoxication and collapse. It may cause irritation to the respiratory tract and to other mucous membranes.

EYE CONTACT

Severely irritating. If not removed promptly, will injure eye tissue, which can result in permanent damage.

SKIN CONTACT

Frequent or prolonged contact may irritate and cause dermatitis. Low order of toxicity.

INGESTION

Low order of toxicity. Small amounts of the liquid aspirated into the respiratory system during ingestion, or from vomiting, may cause bronchiopneumonia or pulmonary edema.

SUMMARY OF CHRONIC HAZARDS

Repeated or prolonged exposure may cause signs of central nervous system depression and respiratory irritation. This material has been shown to induce tumors in laboratory animals.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Individuals with pre-existing or chronic diseases of the eyes, skin, respiratory system, cardiovascular system, gastrointestinal system, liver, or kidneys may have increased susceptibility to excessive exposure.

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Section 3 -- COMPOSITION/INFORMATION ON INGREDIENTS

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INGREDIENT: Methyl Ethyl Ketone  
PERCENTAGE BY WEIGHT: 20-85  
CAS NUMBER: 78-93-3  
EC# : 606-002-00-3

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INGREDIENT: Tetrahydrofuran  
PERCENTAGE BY WEIGHT: 5-12  
CAS NUMBER: 109-99-9  
EC# : 603-025-00-0

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INGREDIENT: Cyclohexanone  
PERCENTAGE BY WEIGHT: 5-15  
CAS NUMBER: 108-94-1  
EC# : 606-010-00-7

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INGREDIENT: Acetone  
PERCENTAGE BY WEIGHT: 0-25  
CAS NUMBER: 67-64-1  
EC# : 200-662-2

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Section 4 -- FIRST AID MEASURES

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If INHALED: If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.  
If on SKIN: Immediately flush with large amounts of water; use soap if available. Remove contaminated clothing.  
If in EYES: Immediately flush with large amounts of water for at least 15 minutes. Get prompt medical attention.  
If SWALLOWED: If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.  
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Section 5 -- FIRE FIGHTING MEASURES

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CONDITIONS OF FLAMMABILITY

Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.

SUITABLE EXTINGUISHING MEDIA

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Wear self contained breathing apparatus for fire fighting if necessary.

HAZARDOUS COMBUSTION PRODUCTS

Hazardous decomposition products formed under fire conditions. - Carbon oxides

FURTHER INFORMATION

Use water spray to cool unopened containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Extremely flammable - very low flash point. Vapors are heavier than air and may travel along ground or to low spots at considerable distance to a source of ignition resulting in potential flashback. Burning liquid may float on water. Heat may build up pressure and rupture closed containers.

Section 6 -- ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Ventilate area with natural or explosion-proof, forced air ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

ENVIRONMENTAL PRECAUTIONS

Prevent further leakage or spillage if safe to do so. Avoid flushing into sewers, drains, waterways, and soil.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Use absorbent materials to prevent footing hazard and to contain, then collect and place in container for disposal according to local regulations (see section 13).

Section 7 -- HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Avoid prolonged or repeated contact with skin or clothing. If transferring this material to other containers, ground all containers to avoid static electricity buildup and discharge which may ignite flammable vapors.

CONDITIONS FOR SAFE STORAGE

Do not store near heat, sparks, or open flames. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Empty containers may contain residues and vapors; treat as if full and observe all products precautions. Do not reuse empty containers. KEEP OUT OF REACH OF CHILDREN.

Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT UNITS

Table with 3 columns: INGREDIENT, UNITS, and values. Rows include Methyl Ethyl Ketone (ACGIH TLV 200 ppm, OSHA PEL 200 ppm, STEL 300 ppm), Tetrahydrofuran (ACGIH TLV 50 ppm, OSHA PEL 200 ppm, STEL 250 ppm), Cyclohexanone (ACGIH TLV 20 ppm (skin), OSHA PEL 50 ppm), and Acetone (ACGIH TLV 500 ppm, OSHA PEL 1000 ppm, STEL 750 ppm).

RESPIRATORY PROTECTION (SPECIFY TYPE): In confined poorly ventilated areas, use NIOSH/MSHA approved air purifying or supplied air purifying or supplied air respirators.

VENTILATION - LOCAL EXHAUST: Acceptable

SPECIAL: Explosion-proof equipment.

MECHANICAL (GENERAL): Preferable

OTHER: N/A

PROTECTIVE GLOVES: Wear rubber gloves.

EYE PROTECTION: Chemical splash goggles (ANSI Z-87.1 or equivalent)

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls recommended.

WORK/HYGIENIC PRACTICES: Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

Table with 2 columns: PROPERTY and VALUE. Rows include BOILING POINT (151 F (66 C) @ 760mm Hg), SPECIFIC GRAVITY (H2O = 1): (0.91), VAPOR PRESSURE (mm Hg): (129 @ 68 F (20 C)), MELTING POINT (N/A), VAPOR DENSITY (AIR = 1): (2.5), and EVAPORATION RATE (ETHYL ACETATE = 1): (8-14.5).

APPEARANCE/ODOR: Liquid/Pungent Odor  
SOLUBILITY IN WATER: Soluble  
VOC LEVEL: 510 g/L per SCAQMD Test Method 316A  
Flash POINT 4.1 F (-17 C)  
LOWER EXPLOSION LIMIT 1.8%  
UPPER EXPLOSION LIMIT 11.8%

=====  
Section 10 -- STABILITY AND REACTIVITY  
=====

CHEMICAL STABILITY: Stable under recommended storage conditions.  
POSSIBILITY OF HAZARDOUS REACTIONS: Can form potentially explosive peroxides upon long standing in air. Vapors may form explosive mixture with air.  
CONDITIONS TO AVOID: Heat, sparks, open flames, and strong oxidizing, acidic and basic conditions.  
MATERIALS TO AVOID: Oxidizers, acids and bases.  
HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO2, HCl and fragmented hydrocarbons.  
HAZARDOUS POLYMERIZATION: Will not occur.

=====  
Section 11 -- TOXICOLOGY INFORMATION  
=====

CHRONIC HEALTH HAZARDS  
No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.  
Tetrahydrofuran - The National Toxicology Program has reported that exposures of mice and rats to THF vapor levels up to 1800 ppm 6hr/day, 5 days/week for their lifetime caused an incidence of kidney tumors in male rats and liver tumors in female mice. The significance of these findings for human health are unclear at this time, and may be related to "species specific" effects. Elevated incidences of tumors in humans have not been reported for THF.

-----  
TOXICOLOGY DATA

Ingredient Name

-----  
Methyl Ethyl Ketone  
Oral-Rat LD50:2737 mg/kg  
Inhalation-Rat LC50:23,500 mg/m3/8H  
Tetrahydrofuran  
Oral-Rat LD50:1650 mg/kg  
Inhalation-Rat LC50:21,000 ppm/3H  
Cyclohexanone  
Oral-Rat LD50:1535 mg/kg  
Inhalation-Rat LC50:8000 ppm/4H  
Acetone  
Oral-Rat LD50: 5800 mg/kg  
Inhalation-Rat LC50: 50,100mg/m3  
=====

Section 12 -- Ecological Information  
=====

-----  
ECOLOGICAL DATA

Ingredient Name

-----  
Methyl Ethyl Ketone  
Food Chain Concentration Potential: None  
WATERFOWL TOXICITY: N/A  
BOD: 214%  
AQUATIC TOXICITY: 5640 mg/l/48 hr/bluegill/TLm/fresh water  
Tetrahydrofuran  
Food Chain Concentration Potential: None  
WATERFOWL TOXICITY: N/A  
BOD: N/A  
AQUATIC TOXICITY: N/A  
Cyclohexanone  
Food Chain Concentration Potential: None  
WATERFOWL TOXICITY: N/A  
BOD: N/A  
AQUATIC TOXICITY: N/A  
Acetone  
Food Chain Concentration Potential: None  
WATERFOWL TOXICITY: N/A  
BOD: N/A  
AQUATIC TOXICITY: LC50/96-hour for fish > 100 mg/l  
=====

Section 13 -- DISPOSAL CONSIDERATIONS  
=====

Waste Classification: RCRA classified hazardous waste. Dispose of absorbed materials and liquid waste in approved, controlled incineration facility in accordance with all local, state and federal regulations.  
Disposal Method: Incineration

=====  
Section 14 -- TRANSPORTATION INFORMATION  
=====

DOT: UN1993, Flammable Liquid, N.O.S. (Methyl Ethyl Ketone & Tetrahydrofuran),  
Class 3, PG II, ERG#127. Quarts and less: Consumer Commodity,  
ORM-D

OCEAN (IMDG): UN1993, Flammable Liquid, N.O.S. (Methyl Ethyl Ketone & Tetrahydrofuran),  
Class 3, PG II, ERG#127. EMS No. F-E, S-E

Quarts and less: Flammable Liquid, N.O.S. (Methyl Ethyl Ketone & Tetrahydrofuran),  
Class 3, UN 1993, PG II, Limited Quantities or Ltd Qty

AIR (IATA): UN1993, Flammable Liquid, N.O.S. (Methyl Ethyl Ketone & Tetrahydrofuran),  
Class 3, PG II, ERG#127.

WHMIS (CANADA): Class B-22

=====  
Section 15 -- REGULATORY INFORMATION  
-----

REGULATORY DATA

Ingredient Name  
-----

Methyl Ethyl Ketone	SARA 313	Yes
	TSCA Inventory	Yes
	CERCLA RQ	5,000 lb.
	RCRA Code	U159
Tetrahydrofuran	SARA 313	No
	TSCA Inventory	Yes
	CERCLA RQ	1,000 lb.
	RCRA Code	U213
Cyclohexanone	SARA 313	No
	TSCA Inventory	Yes
	CERCLA RQ	5,000 lb.
	RCRA Code	U057
Acetone	SARA 313	No
	TSCA Inventory	Yes
	CERCLA RQ	5,000 lb.
	RCRA Code	U002

=====  
Section 16 -- OTHER INFORMATION  
-----

Text of R phrases mentioned in Section 2

R11 - Highly flammable

R36 - Irritating to eyes

R66 - Repeated exposure may cause skin dryness or cracking

R67 - Vapors may cause drowsiness and dizziness  
-----

This document is prepared pursuant to the OSHA Hazard Communication  
Standard (29 CFR 1910.1200). The information herein is given in good faith,  
but no warranty, expressed or implied is made. Consult RectorSeal for further  
information: (713) 263-8001

**Material Safety Data Sheet**

May be used to comply with  
 OSHA's Hazard Communication Standard.  
 29 CFR 1910.1200. Standard must be  
 consulted for specific requirements.

**U.S. Department of Labor**

Occupational Safety and Health Administration  
 (Non-Mandatory Form)  
 Form Approved  
 OMB No. 12180072

IDENTITY (As Used on Label and List) <b>Purple Power® CAR WASH w/ Carnauba Wax</b>	Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.
---------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------

**Section I – Manufacturer**

Manufacturer's Name AIKEN CHEMICAL COMPANY	Emergency Telephone Number 1-800-922-1117; (864) 765-7359
Address (Number, Street, City, State and Zip Code) P. O. Box 27147	Telephone Number for Information 1-800-828-1860
Greenville, SC 29616	Date Prepared: December 14, 2005
12 Shelter Drive, Greer, SC 29650	Revision # New
	Signature of Preparer (optional)

**Section II-Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	NIOSH REL	%
NONE	NFPA 1-0-0	HMIS 1-0-0-B		

**TSCA Information:**

All ingredients of this product are listed on the TSCA inventory.

**Section III - Physical/Chemical Characteristics**

Boiling Point	>200° F	Specific Gravity (H <sub>2</sub> O - 1)	1.010-1.020
Vapor Pressure (mm Hg.)	Not Determined	Melting Point	N/D
Vapor Density (AIR=1)	Not Determined	Evaporation Rate (Butyl Acetate=1)	<1.0
Solubility in Water Complete	pH 9.0 – 10.5		
Appearance and Odor Clear fluorescent yellow colored liquid with waxy banana odor.			

**Section IV - Fire and Explosion Hazard Data**

Flash Point (Method Used) >200° F (PPMC)	Flammable Limits Not Established	LEL N.D.	UEL N.D.
---------------------------------------------	-------------------------------------	-------------	-------------

**Extinguishing Media**

Carbon dioxide, dry chemical, alcohol foam and water spray.

**Special Fire Fighting Procedures**

Fire fighters wear self-contained breathing apparatus with full protective clothing.

**Unusual Fire and Explosion Hazards**

Water fog or foam may cause frothing of the product.

**Section V - Reactivity Data**

Stability	Unstable		Conditions to Avoid
	Stable	X	Strong oxidizing agents.

**Incompatibility (Materials to Avoid)**

Strong oxidizing agents.

**Hazardous Decomposition or Byproducts**

Carbon monoxide, carbon dioxide and various hydrocarbons.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	Excessive heat & oxidizing agents.

**Section VI - Health Hazard Data**

Routes of Entry:	Inhalation?	Eyes?	Skin?	Ingestion?
	No	Yes	Yes	Not likely to occur

**Health Hazards (Acute and Chronic)**

Chronic overexposure: No evidence of adverse effects from available information. For acute overexposure, see SECTION IX.

Carcinogenicity:	NTP?	LARC Monographs?	OSHA Regulated?
	No	No	No

**Signs and Symptoms of Exposure:**

SEE SECTION IX (Acute Overexposure)

**Medical Conditions Generally Aggravated by Exposure:**

Pre-existing skin &amp; respiratory problems

**Emergency and First Aid Procedures**

SEE SECTION IX

**Section VII - Precautions for Safe Handling and Use****Steps to Be Taken in Case Material is Released or Spilled**

Stop spill at source. Dike area of spill with soil (sand, clay) to prevent spreading. Remaining liquid may be pumped to a salvage container or taken up by an absorbent material &amp; shoveled into salvage containers.

**Waste Disposal Method**

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

**Precautions to Be Taken in Handling and Storing**

Spilled material is slippery on walkways &amp; floors. Remove spills promptly. Foams profusely when hit with a stream of water.

**Other Precautions:**

Protect from freezing. Product will freeze at 32° F. Always use proper eye &amp; skin protection.

**Section VIII - Control Measures****Respiratory Protection (Specify Type)**

None

Ventilation	Local Exhaust	Special
	Acceptable	N/A
	Mechanical(General)	Other:
	N/A	N/A
Protective Gloves	Eye Protection	
None should be needed		

**Other Protective Clothing or Equipment**

None Normally Needed

**Work/Hygienic Practices** Always wash hands & face before eating, smoking, or using the restrooms. If product is spilled on clothing, wash before reuse.



**Section IX - Routes and Effects of Overexposure:**

---

**SKIN:**

Prolonged or repeated contact can cause irritation, defatting, dermatitis and possible stinging or itching.

**EYES:**

May cause watering, redness stinging and irritation; which may result in impairment of vision.

**INGESTION:**

Accidental ingestion may cause gastrointestinal irritation, nausea, and vomiting.

**INHALATION:**

The product is not volatile and as a result, inhalation is not seen as a potential hazard.

**Emergency and First Aid Procedures:**

---

**SKIN:**

Thoroughly wash all exposed areas with soap & water for at least 15 minutes. If itching and redness persist, seek medical attention.

**EYES:**

Immediately flush eyes with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally to insure thorough rinsing. If irritation persists, seek medical attention.

**INGESTION:**

If accidentally swallowed, DO NOT induce vomiting. Give large amounts of water or milk. Seek medical attention immediately.

**INHALATION:**

The product is not volatile and as a result, inhalation is not seen as a potential hazard.

Disclaimer: All information contained in this MSDS is based on data obtained from manufacturers and/or recognized technical sources. While the information contained herein is believed to be accurate Aiken Chemical Co., Inc. makes no claims as to its accuracy. Conditions of use are beyond Aiken Chemical Co., Inc. control and therefore users are responsible in determining if this product is suitable for their use.

Information contained herein relates only to this product and does not relate to its use in combination with any other materials or products.



The Clorox Company

1001 Broadway
Oakland, CA 94612
Tel: 415-771-1000

Material Safety Data Sheet

Table with 3 columns: I Product, Description, Other Designations, Distributor, and Emergency Telephone Nos.

Table with 2 columns: II Health Hazard Data and III Hazardous Ingredients

Table with 2 columns: IV Special Protection and Precautions and V Transportation and Regulatory Data

Table with 2 columns: VI Spill Procedures/Waste Disposal and VII Reactivity Data

Table with 2 columns: VIII Fire and Explosion Data and IX Physical Data



**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**Leak and Spill Procedure:** Use the area provided to describe the appropriate personal protective equipment, spill containment measures or procedures to be used for a spill or release of material and state the release or spill severity and materials used. Also, describe any special handling or disposal procedures for federal, state and local requirements.

**SECTION 7 – HANDLING AND STORAGE**

See the label for used and required spill and release information.  
**Keep Out Of Reach Of Children.**

**SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION**

**Engineering Controls:** Use the appropriate Generalized Control.  
**Respiratory protection:** Use the appropriate personal protective equipment.  
**Eye protection:** Use eye goggles or glasses with side shields.  
**Skin protection:** Use the appropriate protective clothing.  
**Other protective clothing or equipment:** Use gloves, apron, hood, or other appropriate equipment.  
**Work Hygienic Practices:** Use appropriate work practices and procedures to minimize exposure.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE AND ODOR:** Color and Odor  
**BOILING POINT:** 100  
**FREEZING POINT:** 0  
**WATER SOLUBILITY:** Soluble  
**VAPOR PRESSURE:** 0.001  
**PH:** 9  
**EVAPORATION RATE:** 0.001  
**VOC:** 10000 mg/l or less  
**SPECIFIC GRAVITY:** 1

**SECTION 10 – STABILITY AND REACTIVITY**

**Stability:** Stable  
**Conditions to Avoid:** Avoid oxidizing materials and heat  
**Incompatible Materials:** Oxidizer, oxidizing materials, acids, strong acids and strong oxidizers,  
**Hazardous Polymerization:** None  
**Hazardous Decomposition Products:** Carbon dioxide and carbon monoxide

**SECTION 11 - TOXICOLOGICAL INFORMATION**

LD50 (Rat) 1300 MG/G

LD50 (Rat) 911, LD50 (Rat) 393  
LD50 (Rat) 1300 MG/G

**SECTION 12 – ECOLOGICAL INFORMATION**

LD50 (Rat) 911, LD50 (Rat) 393

**SECTION 13 – DISPOSAL CONSIDERATIONS**

Federal, provincial, state and local government regulations and laws apply to the disposal of this material.

**SECTION 14 - TRANSPORT INFORMATION**

This material is classified as a hazardous material for transport purposes.

**SECTION 15 - REGULATORY INFORMATION**

**TOXIC SUBSTANCES CONTROL ACT (TSCA)** This material is listed on the TSCA inventory.

**SARA 302 CHEMICALS:**

None

**SARA 313 CHEMICALS:**

None

**CERCLA CHEMICALS:**

None

**PROP 65 CHEMICALS:**

None

**OSHA & WHMIS:** Material is classified as a health hazard (H373) and an environmental (E051) hazard under WHMIS 2015. It is also classified as a health hazard (H314) and an environmental (E051) hazard under OSHA 29 CFR 1910.1200.

**SECTION 16 - OTHER INFORMATION**

This material is not a controlled substance under the Controlled Substances Act.

This material is not a controlled substance under the Controlled Substances Act. It is not a narcotic, habit-forming drug, or other substance as defined in the Controlled Substances Act. It is not a controlled substance under the Controlled Substances Act.

**DISCLAIMER:** This document is for informational purposes only. It does not constitute an offer of insurance or any other financial product. The information provided is subject to change without notice. Please consult your agent for more information.

# MATERIAL SAFETY DATA SHEET

## MATERIAL IDENTITY: -25° F Splash Windshield Washer Fluid

### SECTION 1 – PRODUCT IDENTIFICATION & COMPANY INFORMATION

**Manufacturer:** SPLASH PRODUCTS, INC.  
51 East Maryland Avenue  
St. Paul, MN 55117-4615

**Telephone:** (651) 489-8211

**Facsimile:** (651) 489-8247

**Transportation Emergency for immediate information about a chemical or to seek assistance from a manufacturer:** 1-800-535-5053

**Date Updated:** January 6, 2012

### SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Component*	Approximate Composition	OSHA Permissible Exposure Limit**	NIOSH REL	ACGIH Threshold Limit Value	IDLH (NIOSH)
Methanol (Methyl Alcohol) -CAS 67-56-1 -UN 1230  (DOT Guide 28)	34 percent by weight	200 ppm (260 mg/m <sup>3</sup> ) 8-Hour TWA (Skin)	200 ppm (260 mg/m <sup>3</sup> ) 8-Hour TWA  250 ppm (310 mg/m <sup>3</sup> ) Ceiling (Skin)	200 ppm (260 mg/m <sup>3</sup> ) 8-Hour TWA  250 ppm (310 mg/m <sup>3</sup> ) Short-term Exposure Limit (15-minute TWA) (Skin)	6,000 ppm (0.6 percent in air)

HMIS: HEALTH: 2      FLAMMABILITY: 2      REACTIVITY: 0      SPECIAL: NONE

RATING SCALE: 0=MINIMAL    1=SLIGHT    2=MODERATE    3=SERIOUS    4=SEVERE

### SECTION 3 – HAZARDOUS IDENTIFICATION

The hazardous component listed is not a known or suspected human carcinogen as listed or determined by the National Agency for Research on Cancer, National Toxicological Program "NTP Seventh Annual Report on Carcinogens," or International Agency for Research on Cancer (IARC) monograph reviews. In addition, it is not considered a carcinogen by the Occupational Safety and Health Administration or the National Institute for Occupational Safety and Health.

Can cause eye and skin irritation. HARMFUL IF SWALLOWED. DANGER POISON. FLAMMABLE. CANNOT BE MADE NONPOISONOUS. Irritation to respiratory track.

INGESTION: Can cause blindness.

INHALATION: May cause headaches, dizziness, nausea, incoordination, drowsiness, visual impairment and unconsciousness

EYE CONTACT: Irritating to eyes; may cause severe and permanent damage.

SKIN CONTACT: Prolonged or repeated contact without rinsing with water may cause irritation.

# MATERIAL SAFETY DATA SHEET

**MATERIAL IDENTITY: -25° F Splash Windshield Washer Fluid**

## SECTION 4 – FIRST AID MEASURES

**INGESTION:** Do not give liquid if victim is unconscious or drowsy. Otherwise, give 1 or 2 glasses of water. Call doctor, hospital emergency room or poison control center for instructions to induce vomiting. When medical advice is not available, induce vomiting using syrup of ipecac according to direction. If ipecac not available, induce vomiting with finger or back of spoon by touching the back of the victim's throat. Get medical attention.

**INHALATION:** If exposed to excessive levels of vapors. Remove to fresh air.

**EYE CONTACT:** Immediately flush eye with plenty of cool, running water. Remove contact lenses if applicable, and continue flushing for at least 15 minutes, holding eyelids apart to ensure thorough rinsing of the entire eye. **Speed is essential to minimize injury. Call a physician immediately.**

**SKIN CONTACT:** immediately flush skin with plenty of cool running water for at least 15 minutes. Wash with soap and water. If irritation develops or persists, get medical attention. Remove contaminated clothing and shoes; wash before reuse.

## SECTION 5 – FIRE FIGHTING MEASURES

**FLASH POINT:** 90°F

**FLAMMABLE LIMITS:** In air % by volume, LEL: 6% UEL: 36%

**EXTINGUISHING MEDIA:** Use of dry chemical, carbon dioxide, water spray, alcohol foam.

**SPECIAL FIRE FIGHTING PROCEDURES:** Use fog or spray to prevent flooding. Be prepared to use MSHA-NIOSH self contained breathing apparatus and protecting clothing.

**FIRE AND EXPLOSION HAZARDS:** Treat as flammable liquid. There is a chance of moderate explosion and/or dangerous fire hazard.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**RESPONSE TO SPILLS:** Eliminate all sources of ignition immediately. Mop up residue and rinse area thoroughly with water. Contain run-off with absorbent material such as sand or clay and diking. Transfer liquid and absorbent material in approved container. Flush and mop area with water allowing to air dry. Keep spill out of sewers and open bodies of water.

## SECTION 7 – HANDLING AND STORAGE

**HANDLING PRECAUTIONS:** Follow directions on label. Wash after handling and before eating.

**STORAGE PRECAUTIONS:** Store container upright. Tighten cap securely. Avoid heat, sparks, and flames. Protect container from physical damage. **KEEP AWAY FROM CHILDREN**

# MATERIAL SAFETY DATA SHEET

## MATERIAL IDENTITY: -25° F Splash Windshield Washer Fluid

### SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**HYGIENIC PRACTICES:** Avoid breathing vapors. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Follow direction on label. Do not store near food stuffs, water or feed.

**SKIN PROTECTION:** Rubber or neoprene gloves and additional protection including impervious boots, apron, or coveralls, as needed in areas of unusual exposure.

**EYE PROTECTION:** Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear blue liquid

**BOILING POINT:** 170°F

**ODOR:** Mild alcohol odor

**FREEZE POINT:** -25°F

**pH:** 8.2

**VAPOR PRESSURE (mm of Hg):** 97 @20C (68F)

**SPECIFIC GRAVITY: (water =1):** .948 @60°F

**VAPOR DENSITY (Air =1):** 1.1

**SOLUBILITY IN WATER:** 100%

**EVAPORATION RATE (BuAc=1):** 5.9

### SECTION 10 – STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** HEAT, SPARKS, FLAMES. No smoking when using.

**INCOMPATIBILITY:** Strong oxidizing agents such as nitrates and sulfuric acid.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Burning can product carbon monoxide and /or carbon dioxide. Carbon monoxide is highly toxic if inhaled. Carbon dioxide in sufficient concentration can act as an asphyziant.

**HAZARDOUS POLYMERIZATION:** will not occur.

### SECTION 11 – TOXICOLOGICAL INFORMATION

**CARCINOGENICITY:** This product does not contain any known or anticipated carcinogens according to the criteria of the NPT annual report on carcinogens and OSHA 29 CFR 1910, Z.

**Methyl Alcohol (Methanol):** Oral rat LD50: 5628 mg/kg; inhalation rat LC50: 64000 ppm/4H; skin rabbit LD50: 15800 mg/kg; irritation data-standard Draize test: skin, rabbit: 20mg/24hr. Moderate; eye, rabbit: 100mg/24hr. Moderate. Investigated as a mutagen, reproductive effector.

**METHYL ALCOHOL (67-56-1) CARCINOGEN:** Known: No. Anticipated: No.



# MATERIAL SAFETY DATA SHEET

**MATERIAL IDENTITY: -25° F Splash Windshield Washer Fluid**

## SECTION 12 – ECOLOGICAL INFORMATION

ENVIRONMENTAL: When released into the soil, this material is expected to readily biodegrade. When released into the soil, this material is expected to leach into groundwater. When released into the soil, this material is expected to quickly evaporate. When released into water, this material is expected to have a half-life between 1 and 10 days. When released into water, this material is expected to readily biodegrade. When released into the air, this material is expected to exist in the aerosol phase with a short half-life. When released into the air, this material is expected to be readily degraded by reaction with photochemically produced hydroxyl radicals. When released into air, this material is expected to have a half-life between 10 and 30 days. When released into the air, this material is expected to be readily removed from the atmosphere by wet deposition.

ENVIRONMENTAL TOXICITY: This material is expected to be slightly toxic to aquatic life.

## SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose in accordance with federal, state and local regulations.

## SECTION 14 – TRANSPORT INFORMATION

(U.S. D.O.T.) – U.S. Department of Transportation:  
PROPER SHIPPING NAME: Consumer Commodity ORM-D  
Exceptions: Per 49 CFR 173.150 (pg III, inner package not over 5.0 L)

## SECTION 15 – REGULATORY INFORMATION

THIS PRODUCT CONTAINS COMPONENT(S) CITED ON THE FOLLOWING REGULATIONS:

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>
Methanol	67-56-1

U.S. FEDERAL REGULATIONS  
TSCA (Toxic Substance Control Act) Status – TSCA (UNITED STATES)

CERCLA RQ – 40 CFR 3.2.1 (a)

<u>Component</u>	<u>RQ (lbs)</u>
Methyl Alcohol	5,000

# MATERIAL SAFETY DATA SHEET

## MATERIAL IDENTITY: -25° F Splash Windshield Washer Fluid

SARA 302 Components – 40 CFR 355 Appendix A  
None

Section 311/312 Hazard Class – 40CFR 370.2  
Immediate (X) Delayed (X) Fire (X) Reactive ( ) Sudden Release of Pressure ( )

SARA 313 Components - 40 CFR 372.65

<u>Section 313 Components(s)</u>	<u>CAS Number</u>	<u>%</u>
Methanol	67-56-1	34

### INTERNATIONAL REGULATIONS

Inventory Status – DSL (CANADA)  
The international ingredients of this are listed.  
WHMIS Information: B2, D1A

ECL (SOUTH KOREA)  
The international ingredients of this product are listed.

EINECS (EUROPE)  
The international ingredients of this product are listed.

ENCS (JAPAN)  
The international ingredients of this product are listed.

State and Local Regulations – California Proposition 65

New Jersey RTK (Right-To-Know) Label information  
Methyl Alcohol 67-56-1

Pennsylvania RTK (Right-To-Know) Label information  
Methanol 67-56-1

Atmospheric Standards: The Clean Air Act Amendments of 1990 list methanol as a hazardous air pollutant.

### SECTION 16 – OTHER INFORMATION

Information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The condition or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product.



**BioFresh® cd**  
**SAFETY DATA SHEET**

**SECTION 1: IDENTIFICATION**

**Product Identifier:**

Bio-Fresh® cd (4126-34, 4126-38)

**Other means of Identification:**

CAS No. 7758-19-2; 0.17% sodium chlorite solution

**Recommended Use:**

Bio-Fresh®cd is a registered antimicrobial pesticide (EPA Registration Number: 9804-3-65516). Bio-Fresh® cd is used to deodorize HVAC system ductwork as a Bacteriostat, Fungistat and deodorizer. Bio-Fresh® cd is used for microbial control of evaporator coils, drip pans and associated air conditioning parts and evaporative cooler excelsior mats. It is also used for residual control of odors with bacteria, mold, mildew, animals, smoke, etc. Consult the Bio-Fresh® cd label for a complete list of permitted uses.

**Distributed by:**

Nu-Calgon  
2611 Schuetz Road  
St. Louis MO 63043  
Phone: 800-554-5499

**Emergency Telephone Number:**

Chemtrec for transportation emergencies in the United States, Canada, Puerto Rico, and Virgin Islands 1-800-424-9300; All other areas 1-703-527-3887  
American Association of Poison Control Centers 1-800-222-1222  
Chemtrec contract number 2749

**SECTION 2: HAZARD(S) IDENTIFICATION**

Bio-Fresh® cd is not classified as hazardous under 29 CFR 1910.1200 (d) and is not subject to GHS / SDS hazard statement requirements

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

<b>Substance:</b>	0.17% sodium chlorite	≤ 99.99% water
<b>Formula:</b>	NaClO <sub>2</sub>	H <sub>2</sub> O
<b>CAS number:</b>	7758-19-2	7732-18-5
<b>EC number:</b>	231-836-6	231-791-2

**SECTION 4: FIRST-AID MEASURES**

The following procedures are recommended as emergency first aid only. They are not intended to replace or supplant the treatment advice of a physician or other authorized health care specialist.

**Inhalation:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**Skin Contact:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.

**Eye Contact:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

**If Swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Chlorine dioxide vapors are emitted when this product contacts acids or chlorine. If these vapors are inhaled move person into fresh air. If not breathing, give artificial respiration. Consult a physician. Monitor patient closely for delayed development of pulmonary edema which may occur up to 48-72 hours post inhalation.

## SECTION 5: FIRE-FIGHTING MEASURES

Substance does not burn but supports the combustion of flammable substances through the liberation of oxygen. Water is the preferred extinguishing media when it is compatible with the burning substance. If water is not compatible, use dry powder extinguisher.

Burning will release hydrogen chloride gas (HCl) and oxides of sodium (NaO<sub>x</sub>).

Firefighters should wear self-contained breathing apparatus (SCBA) if necessary.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### SPILL OR LEAK PROCEDURE

Spills may be flushed to a designated and permitted sewer system with the amount of water that is about 10 times the amount of the spill. Do not discharge this product to storm drains or to any surface or groundwater source unless specifically allowed under a valid NPDES permit.

## SECTION 7: HANDLING AND STORAGE

### HANDLING:

Use and store as directed on the label. Avoid contact with skin and eyes. Avoid breathing dusts or fumes. Resistant to fire. Avoid contact with acids. After contact, immediately rinse and free the skin and clothing completely, such as transfer to a safe area, and water for the release of surface. See also the MSDS, MSDS, and MSDS for the product.

### PRODUCT STORAGE:

Store in a cool, dry area. Do not store in a metal container. Do not store in a metal container. Do not store in a metal container. Do not store in a metal container.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

No Occupational Safety and Health Administration (OSHA) permissible exposure limit (PEL) or American Conference of Governmental Industrial Hygienists (ACGIH) threshold limit values (TLV) have been established for this product.

Open air or good room ventilation is normally adequate for safe use of this product. Good manufacturing practice recommends use of chemical safety goggles, and at a minimum, rubber, neoprene, or other chemically impervious gloves be worn for all applications involving chemical handling. Respiratory protection none is required.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- (a) **Appearance (physical state, color, etc.);** Clear to pale yellow liquid
- (b) **Odor;** Slight odor of chlorine
- (c) **Odor threshold;** Not determined
- (d) **pH;** 8.0 – 8.5
- (e) **Melting point/freezing point;** not determined
- (f) **Initial boiling point and boiling range;** 213°F (100.5°C)
- (g) **Flash point;** Not applicable
- (h) **Evaporation rate;** Comparable to water
- (i) **Flammability (solid, gas);** Not flammable
- (j) **Upper/lower flammability or explosive limits;** Not flammable
- (k) **Vapor pressure;** 23.7 mm Hg (25°C)
- (l) **Vapor density;** 0.02 kg/m<sup>3</sup>
- (m) **Relative density;** 1.01 g/ml (20°C)
- (n) **Solubility(ies);** Miscible (water)
- (o) **Partition coefficient: n-octanol/water;** Not applicable (not a mixture)
- (p) **Auto-ignition temperature;** Not applicable
- (q) **Decomposition temperature;** Not determined
- (r) **Viscosity;** 0.6409 mm<sup>2</sup>/ sec

## SECTION 10: STABILITY AND REACTIVITY

- (a) **Reactivity;** Not reactive under normal temperatures and pressures.
- (b) **Chemical stability;** Stable at normal temperatures and pressures.
- (c) **Possibility of hazardous reactions;** Contact with acids or chlorine can result in the evolution of chlorine dioxide gas (ClO<sub>2</sub>)
- (d) **Conditions to avoid:** Avoid heat, flames, sparks and other sources of ignition. Avoid evaporation to dryness. Dried material can ignite upon contact with combustibles. Avoid contamination with foreign materials. Avoid exposure to sunlight or ultraviolet light.
- (e) **Incompatible materials;** Acids, Reducing agents, Combustible material, Oxidizing agents, Hypochlorite, Organic solvents and compounds, Garbage, Dirt, Organic materials, Household products, Chemicals, Soap products, Paint products, Vinegar, Beverages, Oils, Pine oil, Dirty rags, Sulfur-containing rubber, or any other foreign matter

## SECTION 11: TOXICOLOGICAL INFORMATION

### ANIMAL TOXICOLOGY

Inhalation LC <sub>50</sub> :	>5.61 mg/l
Dermal LD <sub>50</sub> :	>5,000 mg/kg (rabbit)
Oral LD <sub>50</sub> :	>5,000 mg/kg (rat)

### CARCINOGENICITY

Active ingredients are not listed by ROTECS, OSHA, IARC, NTP or EPA. No evidence to date implicating product as a carcinogen or tumor promoter.

## MUTAGENICITY

Though product active ingredient is a chemical oxidant, no evidence to date for mutagenicity from whole animal or in vitro studies.

## REPRODUCTIVE/DEVELOPMENTAL TOXICITY

No known effects to date.

## SECTION 12: ECOLOGICAL INFORMATION

Bio-Fresh® cd is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, rivers or streams. Do not discharge effluent containing this product to sewer systems without first notifying the sewage treatment plant.

Bio-Fresh® cd does not bio-accumulate and is biodegradable.

Bio-Fresh® cd does not migrate in soil.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Product Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Do not reuse or refill this container. Offer for recycling if available. Offer for reconditioning if appropriate. Triple rinse container, or equivalent, promptly after emptying.

**Triple rinse as follows:** Empty the remaining contents into applications equipment or a mix tank and drain for ten seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Pour rinsate into applications equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

## SECTION 14: TRANSPORT INFORMATION

**Not regulated in transport**

**Environmental Hazards:** Toxic to fish and aquatic organisms. Not a marine pollutant.  
In case of spill, flush with copious amounts of water. Do not allow to dry to crystalline form.

## SECTION 15: REGULATORY INFORMATION

### U.S. REGULATIONS

#### OSHA REGULATORY STATUS:

This material is not considered hazardous by the OSHA Hazard Communication standard (29CFR 1910.1200)

#### CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):

Not regulated.

#### SARA EHS Chemical (40 CFR 355.30):

Not regulated

#### EPCRA SECTIONS 311/312 HAZARD CATEGORIES (40 CFR 370.10):

Not regulated

#### EPCRA SECTION 313 (40 CFR 372.65):

Not regulated.

#### OSHA PROCESS SAFETY (PSM) (29 CFR 1910.119):

Not regulated

## **NATIONAL INVENTORY STATUS**

### **U.S. INVENTORY STATUS: Toxic Substance Control Act (TSCA):**

All components are listed or exempt.

### **TSCA 12(b):**

This product is not subject to export notification.

### **Canadian Chemical Inventory:**

All components of this product are listed on either the DSL or the NDSL

## **STATE REGULATIONS**

### **California, Proposition 65:**

**Cancer WARNING:** Not Listed

**CRT List – Male reproductive toxin:** Not Listed

**CRT List – Female reproductive toxin:** Not Listed

**Massachusetts Right to Know Hazardous Substance List:** Listed

**New Jersey Right to Know Hazardous Substance List:** listed 1689

**New Jersey Special Health Hazards Substance List:** Listed 1689

**New Jersey Environmental Hazardous Substance List:** Not Listed

**Pennsylvania Right to Know Hazardous Substance List:** Listed

**Pennsylvania Right to Know Special Hazardous Substances:** Not Listed

**Pennsylvania Right to Know Environmental Hazard List:** Not Listed

**Rhode Island Right to Know Hazardous Substance List:** Not Listed

### **WHMIS - Classifications of Substances:**

Not classified

### **FIFRA Regulations:**

Registered pesticide under 40 CFR 152.10, Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), EPA Reg. No. 9804-3-65516 (Bio-Fresh® cd)

### **FIFRA Labeling Requirements:**

This chemical is a pesticide product registered by the United States Environmental Protection Agency and it subject to certain labeling requirement under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

FIFRA Signal Word – CAUTION

Corrosive

Harmful if swallowed

Avoid Breathing spray mist

Causes moderate eye irritation

Remove contaminated clothing and wash clothing before reuse

Wash thoroughly with soap and water after handling

Handlers applying chlorine dioxide must wear gloves

This pesticide is toxic to fish and aquatic invertebrates

## SECTION 16: OTHER INFORMATION

### NFPA Hazard Classification

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

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard rating 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.

**NOTICE:** Manufacturer believes the information contained herein is accurate; however we make no guarantees with respect to such accuracy and assume no liability in connection with the use of the information contained herein by any party. Any party using this product should review all such laws, rules or regulations prior to use.

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