



MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	% By Wt.	CAS Number	TLV	PEL
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 (CO₂).

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

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

Hazardous Ingredients	CAS #	EINECS #	LD 50 of Ingredient (Specify Species)	LC50 of Ingredient (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

Hazardous Ingredients	Aquatic Toxicity Data
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>
DOT (Land)	Consumer Commodity ORM-D	No Data.	No Data.	No Data.
IMO (Water)	No Data.	No Data.	No Data.	No Data.
ICAO (Air)	Aerosols, Non-Flammable	UN1950	No Data.	2.2

SECTION 15 – REGULATORY INFORMATION

WHMIS Classification: (Workplace Hazardous Material Information System)	A, B1
SARA Title III: (Superfund Amendments & Reauthorization Act)	No
OSHA: (Occupational Safety & Health Administration)	Yes
TSCA: (Toxic Substance Control Act)	Present
VOC: (volatile Organic Compounds)	5.0%
CPR: (Canadian Controlled Products Regulations)	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations.
EINECS: (European Inventory of Existing Commercial Chemical Substances)	No Data.
DSL / NDSL: (Canadian Domestic Substance List)(Non-Domestic Substance List)	Present
CERCLA: (Comprehensive Response Compensation & Liability Act)	No
IDL: (Canadian Ingredient Disclosure List)	No Data.
NFPA (HMIS) Rating: (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 parts
Manufacturer Nu-Calgon
 10000 Nu-Calgon Blvd
 Dallas, TX 75243
 Phone: 972-990-0000 Fax: 972-990-9900
 Website: www.nu-calgon.com

2. Hazards Identification

Emergency overview GHS05
 Corrosive
Potential short term health effects
Routes of exposure Inhalation, skin contact, ingestion
Eyes Causes severe eye irritation
Skin Causes skin irritation
Inhalation May cause respiratory irritation, coughing or breathing difficulty
Ingestion May cause irritation of the mouth, throat and stomach
Target organs Respiratory system
Chronic effects Repeated or prolonged exposure may lead to asthma, dermatitis and other effects
Signs and symptoms Irritation of the eyes, skin and respiratory tract
OSHA Regulatory Status This product is a "hazardous chemical" as defined by the OSHA hazard communication standard, 29 CFR 1910.1200
Potential environmental effects This product is not expected to be classified as a hazardous material under the current criteria

3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Sodium hydroxide	1310-73-3	10-100

4. First Aid Measures

First aid procedures
Eye contact Flush eyes with water for at least 15 minutes. Remove contact lenses if present and continue flushing. Get medical attention if irritation persists.
Skin contact Flush skin with water for at least 15 minutes. Remove contaminated clothing. Get medical attention if irritation persists.
Inhalation If symptoms develop, move to fresh air. If symptoms persist, get medical attention.
Ingestion Do not induce vomiting. Rinse mouth with water. Do not eat or drink. Get medical attention if symptoms persist.
General advice Wear protective gloves and eye protection. Use in well-ventilated areas. Avoid breathing dust. If irritation occurs, stop use immediately and seek medical attention.

5. Fire Fighting Measures

Flammable properties Not flammable (M) under normal conditions

Extinguishing media

Suitable extinguishing media read suitable water

Unsuitable extinguishing media water

Protection of firefighters

Specific hazards arising from the chemical water

Protective equipment for firefighters fire suit hood gloves boots self breathing apparatus

Hazardous combustion products may produce and are listed in the SDS under the heading of "Hazardous Combustion Products"

Explosion data

Sensitivity to mechanical impact water

Sensitivity to static discharge water

6. Accidental Release Measures

Personal precautions

Use the necessary personal protective equipment or avoid breathing dusts or vapors if necessary wear appropriate protective clothing and avoid contact with skin and eyes

Environmental precautions

Prevent release into the environment if possible clean up spills immediately

Methods for containment

Contain spills and leaks with appropriate materials such as spill kits or absorbent pads

Methods for cleaning up

Spills should be cleaned up immediately using appropriate methods refer to the SDS for more information on how to clean up spills of this chemical and avoid contact with skin and eyes if necessary wear appropriate protective clothing and avoid breathing dusts or vapors if necessary wear appropriate protective equipment

7. Handling and Storage

Handling

Use appropriate ventilation and avoid breathing dusts or vapors if necessary wear appropriate protective equipment avoid contact with skin and eyes if necessary wear appropriate protective clothing and avoid breathing dusts or vapors if necessary wear appropriate protective equipment

Storage

Store in a cool and dry place away from heat and moisture and avoid contact with incompatible materials

8. Exposure Controls / Personal Protection

Exposure limits

Ingredient(s)

Exposure Limits

ACGIH-TLV

OSHA-PEL

Engineering controls

Use process enclosures or other engineering controls to reduce dust or vapor concentrations if necessary wear appropriate protective equipment

Personal protective equipment

Eye / face protection

Wear eye protection and face shield if necessary

Hand protection

Wear gloves when handling this material

Skin and body protection

Use appropriate clothing and avoid contact with skin and eyes if necessary wear appropriate protective equipment

Respiratory protection

Spills should be cleaned up immediately using appropriate methods refer to the SDS for more information on how to clean up spills of this chemical and avoid contact with skin and eyes if necessary wear appropriate protective equipment

General hygiene considerations

Use appropriate ventilation and avoid breathing dusts or vapors if necessary wear appropriate protective equipment

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
This product is classified as a corrosive liquid under the hazard criteria of the GHS and is classified as a corrosive liquid under the MSDS criteria and the MSDS criteria as well as the requirements of the GHS and MSDS criteria.

Canada - WHMIS - Ingredient Disclosure List

Ingredients and CAS numbers

WHMIS status
WHMIS classification
WHMIS labeling



Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical

US Federal regulations
This product is a "hazardous material" as defined in the OSHA Hazardous Materials standard, 29 CFR 1910.1000.

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

Ingredients and CAS numbers

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

Ingredients and CAS numbers

CERCLA (Superfund) reportable quantity

Ingredients and reportable quantities

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Acute hazard
Delayed hazard
Fire hazard
Pressure hazard
Reproductive hazard

Section 302 extremely hazardous substance

Section 311 hazardous chemical

Clean Air Act (CAA)

Clean Water Act (CWA)



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name IMS-II Sanitizer (4211)
CAS # M00000
Product use Disinfectant/Deodorizer
Manufacturer 00000000000000000000
 00000000000000000000
 00000000000000000000
 00000000000000000000
 00000000000000000000
 00000000000000000000

2. Hazards Identification

Emergency overview Hazards in this section are described as follows:
 0000 0000 000000 0000000000
 0000000000
 00000000000000000000

Potential short term health effects

- Routes of exposure** Eye, Inhalation, Ingestion
- Eyes** Causes irritation and redness
- Skin** Causes irritation
- Inhalation** May cause respiratory irritation or eye irritation
- Ingestion** May cause irritation of the mouth, throat and stomach

Target organs Respiratory system

Chronic effects Irritated or reddened eyes may develop into conjunctivitis and dermatitis

Signs and symptoms Eye irritation, redness, sore and itchy eyes

OSHA Regulatory Status This product is a "hazardous chemical" as defined in the OSHA hazard communication standard, 29 CFR 1910.1201

Potential environmental effects This product is not expected to be classified as a hazardous material under the current EPA regulations

3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
00000000000000000000	9010000009	000010
00000000000000000000	03003000	000010
00000000000000000000	03009000	10000
00000000000000000000	00000000	00100

4. First Aid Measures

First aid procedures

- Eye contact** Immediately flush eyes with plenty of water for 15 minutes. If irritation persists, seek medical attention.
- Skin contact** Wash affected area with plenty of water for 15 minutes. If irritation persists, seek medical attention.
- Inhalation** If you are affected, move to fresh air. If breathing is difficult, call 911 or a doctor. If you are having difficulty breathing, seek medical attention.
- Ingestion** Do not induce vomiting. If you have swallowed the product, drink plenty of water. If you are having difficulty breathing, seek medical attention.

Notes to physician If you have been exposed, please provide the following information to your physician: Product name, CAS number, and amount exposed.

General advice

See the section on safety data sheets for information on the hazards, the classification, the labeling, the PPE, the first aid measures, the fire fighting measures, the accidental release measures, the handling and storage, the disposal and the transport.

5. Fire Fighting Measures

Flammable properties	Flammable liquid criteria
Extinguishing media	
Suitable extinguishing media	Water spray, foam, carbon dioxide, dry powder
Unsuitable extinguishing media	Alkaline
Protection of firefighters	
Specific hazards arising from the chemical	Alkaline
Protective equipment for firefighters	Firefighters should wear appropriate protective clothing and self-contained breathing apparatus
Hazardous combustion products	Mainly smoke and are irritating to the eyes, respiratory tract and skin
Explosion data	
Sensitivity to mechanical impact	Alkaline
Sensitivity to static discharge	Alkaline

6. Accidental Release Measures

Personal precautions	Use appropriate personal protective equipment or avoid breathing dusts or vapors. Do not breathe dusts or vapors. Do not get in eyes, on clothing, or on skin. Wash thoroughly after handling.
Environmental precautions	Do not discharge into lakes, streams, ponds or rivers.
Methods for containment	Use leak containment pads or absorbents to contain spills. Use water, sand, sawdust, or other suitable materials to absorb spills. Do not discharge into drains.
Methods for cleaning up	Before cleaning up, refer to hazard data sheet for appropriate instructions. Use appropriate absorbents to absorb spills. Do not discharge into drains. Use water, sand, sawdust, or other suitable materials to absorb spills. Do not discharge into drains.

7. Handling and Storage

Handling	Use appropriate PPE, avoid contact with skin and eyes. Do not breathe dusts or vapors. Do not get in eyes, on clothing, or on skin. Wash thoroughly after handling. Use appropriate absorbents to absorb spills. Do not discharge into drains.
Storage	Store in a dry place in a cool, well-ventilated area. Do not store in a hot or humid area. Do not store in a container that is not labeled for this material. Do not store in a container that is not labeled for this material. Do not store in a container that is not labeled for this material.

8. Exposure Controls / Personal Protection

Exposure limits

Ingredient(s)	Exposure Limits
Diethylamine	ACGIH-TLV Not established OSHA-PEL Not established
Diethyl ether	ACGIH-TLV 10 ppm OSHA-PEL Not established
Diethylamine hydrochloride	ACGIH-TLV Not established OSHA-PEL Not established
Diethylamine emulsion	ACGIH-TLV Not established OSHA-PEL 1 ppm

Engineering controls

General engineering controls

Personal protective equipment

Eye / face protection

Use safety glasses or goggles and eye protection

Hand protection

Wear gloves when handling

Skin and body protection

Use appropriate clothing

Respiratory protection

Use appropriate respirators where necessary. If necessary, use appropriate respiratory protection

General hygiene considerations

Use good industrial hygiene practices. Wash hands after handling and avoid eating, drinking, and smoking

9. Physical and Chemical Properties

Appearance	Clear
Color	Colorless to light yellow
Form	Liquid
Odor	Characteristic
Odor threshold	Not available
Physical state	Liquid
pH	13.1 (aqueous)
Freezing point	300 to 10 °C
Boiling point	100 to 100 °C
Pour point	Not available
Evaporation rate	Same as water
Flash point	None
Auto-ignition temperature	Not available
Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	1.000
Octanol/water coefficient	Not available

Inventory status

Country(s) or region

Country codes
 "es" indicates that the country code is not used in the country name

Inventory name

Inventory name

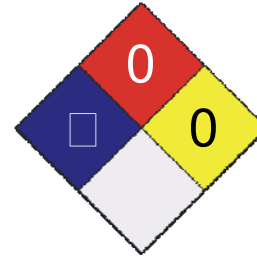
On inventory (yes/no)*

Yes

16. Other Information

Gender	
Moderate	
Severe	
Moderate	3
Mild	1
Moderate	0

Category	
Area	0
Sub-area	0
Version	



Disclaimer

The information provided here was obtained from sources considered reliable and relevant. The user bears the responsibility for the use of the information provided. In some cases data is available and is shared with the user. If the user is not satisfied with the information provided, the user should contact the provider. The user is responsible for the use of the information provided. The user is responsible for the use of the information provided. The user is responsible for the use of the information provided.

Issue date

01/01/2011

Effective date

1/1/2011

Prepared by

Information Management (31/09/2000)

Other information

For a detailed M, please contact the supplier. The user is responsible for the use of the information provided.



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:

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

4. FIRST AID MEASURES

Eye Contact:	Flush with large amounts of water, lifting upper and lower lids occasionally, get medical attention.
Skin Contact:	Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use. Get medical attention if irritation persists.
Inhalation:	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.
Ingestion:	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

Flash Point (Pensky-Martens C.C.):	-156°F
Lower Explosive Limit:	1.8%
Upper Explosive Limit:	9.5%
Auto-ignition Temperatures:	N.D.
Extinguishing Media:	CO ₂ , dry chemical, foam, water fog.
Unusual Fire and Explosion Hazards:	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 H₂O: 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.

=====
Section 5 -- FIRE FIGHTING MEASURES
=====

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.

=====
Section 6 -- ACCIDENTAL RELEASE MEASURES
=====

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.

=====
Section 7 -- HANDLING AND STORAGE
=====

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.

=====
Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION
=====

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
=====

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

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

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.

=====
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: 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
=====

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
 =====

 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

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 3 -- COMPOSITION/INFORMATION ON INGREDIENTS

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

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

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

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

=====
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.

=====
Section 5 -- FIRE FIGHTING MEASURES

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) Purple Power® CAR WASH w/ Carnauba Wax	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.
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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	Revision # New
12 Shelter Drive, Greer, SC 29650	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 ₂ 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 & 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 & 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 & 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 & 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

I Product: Bleach		
Description: Bleach, 6% available chlorine in water		
Other Designations: Bleach EPA Reg. No. 1310	Distributor: Clorox Companies 1001 Broadway Oakland, CA 94612	Emergency Telephone Nos.: Clorox Medical Services 1-800-421-1011 Clorox Chemical Services 1-800-421-9300

II Health Hazard Data	III Hazardous Ingredients				
<p>Causes severe irritation of the eyes and skin. Causes irritation of the respiratory tract.</p> <p>Eye irritation is temporary. Wash eyes with water for 15 minutes. If irritation persists, seek medical attention.</p> <p>Causes irritation of the skin. Wash with soap and water. If irritation persists, seek medical attention.</p> <p>Causes irritation of the respiratory tract. Avoid breathing dust or fumes. If irritation persists, seek medical attention.</p> <p>Causes irritation of the mucous membranes. Avoid contact. If irritation persists, seek medical attention.</p>	<table border="1"> <tr> <td>Bleach 6% available chlorine CAS 7647-08-0</td> <td>Sodium Hypochlorite 5.25% available chlorine CAS 7647-08-0</td> <td>Sodium Chloride 0.1% CAS 7647-08-0</td> </tr> </table>		Bleach 6% available chlorine CAS 7647-08-0	Sodium Hypochlorite 5.25% available chlorine CAS 7647-08-0	Sodium Chloride 0.1% CAS 7647-08-0
Bleach 6% available chlorine CAS 7647-08-0	Sodium Hypochlorite 5.25% available chlorine CAS 7647-08-0	Sodium Chloride 0.1% CAS 7647-08-0			

IV Special Protection and Precautions	V Transportation and Regulatory Data
<p>Use in well-ventilated areas. Avoid contact with eyes, skin, and clothing.</p> <p>Wear eye protection and gloves when handling.</p> <p>Do not mix with other cleaning products.</p> <p>Keep away from children and pets.</p>	<p>UN 1909 Corrosive liquid, n.o.s.</p> <p>HAZARDOUS MATERIALS</p> <p>DOT 31131 and 31133</p>

VI Spill Procedures/Waste Disposal	VII Reactivity Data
<p>Spill: Ventilate area. Wear eye protection and gloves. Dilute with water.</p> <p>Waste: Dispose in accordance with local regulations.</p>	<p>Stable under normal conditions.</p> <p>Reacts with acids to release chlorine gas.</p>

VIII Fire and Explosion Data	IX Physical Data
<p>Flash point: None</p> <p>Flammable: No</p> <p>Explosive: No</p>	<p>Boiling point: 100°C</p> <p>Freezing point: 0°C</p> <p>Density: 1.1 g/cm³</p>

MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

GOO GONE ALL PURPOSE CLEANER

MAGIC AMERICAN PRODUCTS

901 ... 190

9:30 AM, 9:00

100 ... 9300

103 ... 3

Perfar ... 010

SECTION 2 – COMPOSITION, INFORMATION ON INGREDIENTS

M ... M ... G

911, 39, 1

The ... standard 910100

SECTION 3 – HAZARDS IDENTIFICATION

Potential Acute Health Effects:

Eye: ...

Skin: ...

Ingestion: ...

Inhalation: ...

Aggravation of Pre-existing Conditions: ...

Primary Route(s) of Exposure: ...

SECTION 4 - FIRST AID MEASURES

Inhalation: ...

Skin: ...

Eye: ...

Ingestion: ...

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point (Method): ...

LEL: ...

UEL: ...

Autoignition Temperature : ...

Extinguishing Media: ...

Special Fire Fighting Procedures: ...

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedure: Evacuate area Avoid breathing vapors Wear appropriate personal protective equipment, including appropriate respirator or eye protection as appropriate. Do not use water or hose to extinguish fires or use compressed air to clean exposed areas Clean up spills and leaks as soon as possible. Avoid contact with eyes, skin, clothing and mucous membranes. Avoid contact with water, soil, and groundwater.

SECTION 7 – HANDLING AND STORAGE

See MSDS for fused and crystalline solid and eye irritant.
Keep Out Of Reach Of Children.

SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Local exhaust General dilution ventilation
Respiratory protection: Local exhaust Avoid breathing vapors SDS
Eye protection: Use eye goggles or glasses with side shields
Skin protection: Use eye resistant gloves
Other protective clothing or equipment: Gas mask, gaiter, respirator, or other appropriate
Work Hygienic Practices: Use appropriate work practices Do not eat, drink or use tobacco products Wash hands after use

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Color: White Odor: Odorless
BOILING POINT: 100 °C
FREEZING POINT: 0 °C
WATER SOLUBILITY: Soluble
VAPOR PRESSURE: 0.01 mm Hg
PH: 7
EVAPORATION RATE: 0.01
VOC: 100 mg/L or 100 mg/L
SPECIFIC GRAVITY: 1

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable
Conditions to Avoid: Avoid contact with oxidizing agents
Incompatible Materials: Oxidizer, oxidizing agents, acids, bases, strong acids and strong oxidizers,
Hazardous Polymerization: None
Hazardous Decomposition Products: Carbon dioxide and carbon monoxide

SECTION 11 - TOXICOLOGICAL INFORMATION

LD50 (Oral, Rat), 2000 mg/kg LD50 (Dermal, Rabbit), 3900 mg/kg
LD50 (Inhalation, Rat) 1300 mg/m³

SECTION 12 – ECOLOGICAL INFORMATION

Acute toxicity Chronic toxicity Ecotoxicity

SECTION 13 – DISPOSAL CONSIDERATIONS

Federal, provincial, state and local government regulations and other applicable laws and regulations shall be followed for disposal.

SECTION 14 - TRANSPORT INFORMATION

Transportation information is provided in accordance with applicable regulations.

SECTION 15 - REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA) - The following chemicals are listed on the TSCA inventory:

SARA 302 CHEMICALS:

None

SARA 313 CHEMICALS:

None

CERCLA CHEMICALS:

None

PROP 65 CHEMICALS:

None

OSHA & WHMIS: Material Safety Data Sheet (MSDS) information is provided for all hazardous materials. The MSDS for this material is available under the number 91910100.

SECTION 16 - OTHER INFORMATION

Additional information is provided in the following sections:

The following information is provided for the purpose of providing information to the public regarding the presence of hazardous materials in the environment. This information is provided for informational purposes only and does not constitute a guarantee, warranty, or representation of any kind. The information is provided for informational purposes only and does not constitute a guarantee, warranty, or representation of any kind. The information is provided for informational purposes only and does not constitute a guarantee, warranty, or representation of any kind.

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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 ³) 8-Hour TWA (Skin)	200 ppm (260 mg/m ³) 8-Hour TWA 250 ppm (310 mg/m ³) Ceiling (Skin)	200 ppm (260 mg/m ³) 8-Hour TWA 250 ppm (310 mg/m ³) 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.