






# SAFETY DATA SHEET

## 1. Product and Company Identification

<b>PRODUCT NUMBER:</b>	2714	<b>COMPANY PHONE:</b>	1-800-241-8180
<b>PRODUCT NAME:</b>	MOLY-LUB BULK	<b>EMERGENCY TELEPHONE:</b>	1-800-241-8180
<b>PRODUCT DESCRIPTION:</b>	Antiseize Lubricant	<b>INFOTRAC:</b>	1-800-535-5053
<b>COMPANY INFORMATION:</b>	<b>PRO CHEM, INC.</b> 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

## 2. Hazards Identification

<b>GHS CLASSIFICATION:</b> Flammable liquids: Category 2 Skin corrosion/irritation: Category 2 Germ cell mutagenicity: Category 1B Carcinogenicity: Category 1B Reproductive toxicity (the unborn child): Category 2 Specific target organ toxicity, repeated exposure: Category 2 Aspiration hazard: Category 1 OSHA defined hazards: Not classified.	<b>SIGNAL WORD:</b> <b>DANGER</b>	<b>SYMBOL:</b>			
--	--------------------------------------	----------------	---	---	---

### HAZARD STATEMENTS:

Highly flammable liquid and vapor. May be fatal if swallowed and enters airways. Causes skin irritation. May cause genetic defects. May cause cancer. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure.

### PRECAUTIONARY STATEMENTS:

**Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe the mist or vapor. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** IF SWALLOWED: Immediately call a poison center/doctor. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF EXPOSED OR CONCERNED: Get medical advice/attention. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. IN CASE OF FIRE: Use appropriate media to extinguish.

**Storage:** Store in a well-ventilated place. Keep cool. Store locked up.

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

### HAZARDS NOT OTHERWISE SPECIFIED:

None known.

### SUPPLEMENTAL INFORMATION:

None.

## 3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight
Methylene Chloride	75-09-2	60 - 80
Toluene	108-88-3	10 - 20
Isopropyl Alcohol	67-63-0	1 - 2.5
1,2,4-trimethylbenzene	95-63-6	0.1 - 1
Ethylene Glycol	107-21-1	0.1 - 1
Methanol	67-56-1	0.1 - 1
Propylene Oxide	75-56-9	0.1 - 1
Other components below reportable levels		2.5 - 10

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## 4. First Aid Measures

### EMERGENCY OVERVIEW

**GENERAL:** Take off all contaminated clothing immediately. If exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.

**SKIN:** Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

**INHALATION:** Move to fresh air. Call a physician if symptoms develop or persist.

**INGESTION:** Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

### MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

Aspiration may cause pulmonary edema and pneumonitis. Dizziness. Nausea. Direct contact with eyes may cause temporary irritation. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

**INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:**

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

**5. Fire Fighting Measures****SUITABLE FIRE EXTINGUISHING MEDIA:**

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**UNSUITABLE FIRE EXTINGUISHING MEDIA:**

Do not use water jet as an extinguisher, as this will spread the fire.

**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:**

Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

**SPECIFIC FIRE-FIGHTING METHODS:**

In case of fire and/or explosion, do not breathe fumes. Move containers from fire area if you can do so without risk.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:**

Use standard firefighting procedures and consider the hazards of other involved materials. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**GENERAL FIRE HAZARDS:**

Highly flammable liquid and vapor.

**6. Accidental Release Measures****PERSONAL PRECAUTIONS:**

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Wear appropriate protective equipment and clothing during cleanup. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see Section 8 of the SDS.

**MATERIALS AND METHODS FOR CLEANUP:**

Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools.

**Large Spills:** Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a noncombustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Following product recovery, flush area with water.

**Small Spills:** Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for reuse. For waste disposal, see Section 13 of the SDS.

**ENVIRONMENTAL PRECAUTIONS:**

Avoid discharge into drains, watercourses or onto the ground.

**7. Handling and Storage****SAFE HANDLING:**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

**SAFE STORAGE & INCOMPATIBILITIES:**

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

**8. Exposure Controls / Personal Protection****Occupational exposure limits****US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**

COMPONENTS	TYPE	VALUE
Methylene Chloride (CAS 75-09-2)	STEL	125 ppm

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000):**

COMPONENTS	TYPE	VALUE
Isopropyl Alcohol (CAS 67-63-0)	PEL	980 mg/m <sup>3</sup> 400 ppm
Methanol (CAS 67-56-1)	PEL	260 mg/m <sup>3</sup> 200 ppm
Propylene Oxide (CAS 75-56-9)	PEL	240 mg/m <sup>3</sup> 100 ppm

**US. OSHA Table Z-2 (29 CFR 1910.1000) Components:**

COMPONENTS	TYPE	VALUE
Toluene (CAS 108-88-3)	Ceiling TWA	300 ppm 200 ppm

**US. ACGIH Threshold Limit Values:**

COMPONENTS	TYPE	VALUE	FORM
Ethylene Glycol (CAS 107-21-1)	Ceiling	100 mg/m <sup>3</sup>	Aerosol
Isopropyl Alcohol (CAS 67-63-0)	STEL TWA	400 ppm 200 ppm	
Methanol (CAS 67-56-1)	STEL TWA	250 ppm 200 ppm	

**US. NIOSH: Pocket Guide to Chemical Hazards:**

COMPONENTS	TYPE	VALUE
1,2,4-trimethylbenzene (CAS 95-63-6)	TWA	125 mg/m <sup>3</sup> 25 ppm
Isopropyl Alcohol (CAS 67-63-0)	STEL TWA	1225 mg/m <sup>3</sup> 500 ppm 980 mg/m <sup>3</sup> 400 ppm
Methanol (CAS 67-56-1)	STEL TWA	325 mg/m <sup>3</sup> 250 ppm 260 mg/m <sup>3</sup> 200 ppm
Toluene (CAS 108-88-3)	STEL TWA	560 mg/m <sup>3</sup> 150 ppm 375 mg/m <sup>3</sup> 100 ppm

**BIOLOGICAL LIMIT VALUE:**

**ACGIH Biological Exposure Indices:**

COMPONENTS	VALUE	DETERMINANT	SPECIMEN	SAMPLING TIME
Isopropyl Alcohol (CAS 67-63-0)	40 mg/l	Acetone	Urine	*
Methanol (CAS 67-56-1)	15 mg/l	Methanol	Urine	*
Methylene Chloride (CAS 75-09-2)	0.3 mg/l	Dichloromethane	Urine	*
Toluene (CAS 108-88-3)	0.3 mg/g	o-Cresol, with hydrolysis	Creatinine in Urine	*
	0.03 mg/l	Toluene	Urine	*
	0.02 mg/l	Toluene	Blood	*

\*For sampling details, please see the source document.

**EXPOSURE GUIDELINES:**

**US - California OELs: Skin designation:**

Methanol (CAS 67-56-1) Can be absorbed through the skin.  
Toluene (CAS 108-88-3) Can be absorbed through the skin.

**US - Minnesota Haz Subs: Skin designation applies:**

Methanol (CAS 67-56-1) Skin designation applies.  
Toluene (CAS 108-88-3) Skin designation applies.

**US - Tennessee OELs: Skin designation:**

Methanol (CAS 67-56-1) Can be absorbed through the skin.

**US ACGIH Threshold Limit Values: Skin designation:**

Methanol (CAS 67-56-1) Can be absorbed through the skin.

**US NIOSH Pocket Guide to Chemical Hazards: Skin designation:**

Methanol (CAS 67-56-1) Can be absorbed through the skin.

**APPROPRIATE ENGINEERING CONTROLS:**

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eyewash facilities and emergency shower must be available when handling this product.

**INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:**



**Eye/Face Protection:** Chemical respirator with organic vapor cartridge and full facepiece.

**Skin/Hand Protection:** Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier. Other: Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

**Respiratory Protection:** Chemical respirator with organic vapor cartridge and full facepiece.

**Thermal Hazards:** Wear appropriate thermal protective clothing when necessary.

**General Hygiene Considerations:** Observe any medical surveillance requirements. When using, do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical & Chemical Properties**

<b>Physical State:</b>	Liquid.	<b>Flammability (solid/gas):</b>	Not applicable.
<b>Form:</b>	Liquid.	<b>Flammability Limit-lower (%):</b>	9.8% estimated.
<b>Color:</b>	Not available.	<b>Flammability Limit-upper (%):</b>	16.6% estimated.
<b>Odor:</b>	Not available.	<b>Explosive Limit - lower (%):</b>	Not available.

<b>Odor Threshold:</b>	Not available.	<b>Explosive Limit – upper (%):</b>	Not available.
<b>pH:</b>	Not available.	<b>Vapor Pressure:</b>	Not available.
<b>Melting/Freezing Point:</b>	Not available.	<b>Vapor Density:</b>	Not available.
<b>Initial Boiling Point/Range:</b>	325.91°F (163.28°C) estimated.	<b>Relative Density:</b>	Not available.
<b>Partition Coeff (n-octanol/water):</b>	Not available.	<b>Solubility (water):</b>	Not available.
<b>Viscosity:</b>	Not available.	<b>Auto-Ignition Temperature:</b>	Not available.
<b>Oxidizing Properties:</b>	Not oxidizing.	<b>Decomposition Temperature:</b>	Not available.
<b>Flash Point:</b>	45.7°F (7.6°C) estimated.	<b>Evaporation Rate:</b>	Not available.
<b>Explosive Properties:</b>	Not explosive.		

## 10. Stability & Reactivity Information

### REACTIVITY:

The product is stable and non-reactive under normal conditions of use, storage and transport.

### CHEMICAL STABILITY:

Material is stable under normal conditions.

### POSSIBILITY OF HAZARDOUS REACTIONS:

Hazardous polymerization does not occur.

### INCOMPATIBLE MATERIALS:

Strong oxidizing agents.

### CONDITIONS TO AVOID:

Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

### HAZARDOUS DECOMPOSITION PRODUCTS:

No hazardous decomposition products are known.

## 11. Toxicological Information

### PRIMARY ROUTE OF ENTRY:

**Eyes:** Direct contact with eyes may cause temporary irritation.

**Skin:** Causes skin irritation.

**Inhalation:** May cause damage to organs through prolonged or repeated exposure by inhalation.

**Ingestion:** Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

### SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:

Aspiration may cause pulmonary edema and pneumonitis. Dizziness. Nausea. Skin irritation. May cause redness and pain.

### ACUTE TOXICITY:

May be fatal if swallowed and enters airways.

COMPONENTS	SPECIES	TEST RESULTS
<b>1,2,4-trimethylbenzene (CAS 95-63-6)</b>		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	>3160 mg/kg
	Rat	3440 mg/kg, 24 Hours
<i>Inhalation</i>		
Vapor		
LC50	Mouse, Rat	>2000 ppm, 12 Hours
LC50	Rat	10200 mg/m <sup>3</sup> , 4 Hours
<i>Oral</i>		
LD50	Rat	6000 mg/kg
<b>Ethylene Glycol (CAS 107-21-1)</b>		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Mouse	>3500 mg/kg
<i>Inhalation</i>		
LC50	Rat	>2.5 mg/l, 6 Hours
<i>Oral</i>		
LD50	Rat	7712 mg/kg
<b>Isopropyl Alcohol (CAS 67-63-0)</b>		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	16.4 ml/kg, 24 Hours
<i>Inhalation</i>		
LC50	Rat	>10000 ppm, 6 Hours
<i>Oral</i>		
LD50	Rat	5.84 g/kg
<b>Methanol (CAS 67-56-1)</b>		
<b>Acute</b>		
<i>Inhalation</i>		
LC50	Cat	85.41 mg/l, 4.5 Hours
		43.68 mg/l, 6 Hours
	Mouse	79.43 mg/l, 134 Minutes

	Rat	>115.9 mg/l, 4 Hours 82.1 mg/l, 6 Hours
Oral LD50	Monkey Pig Rat	6000 mg/kg >5000 mg/kg 1187 - 2769 mg/kg
Methylene Chloride (CAS 75-09-2)		
<b>Acute</b>		
Dermal LD50	Rat	>2000 mg/kg, Days
Inhalation Vapor LC50	Mouse	49000 mg/m <sup>3</sup> , 7 Hours
Oral LD50	Rat	>2000 mg/kg
Propylene Oxide (CAS 75-56-9)		
<b>Acute</b>		
Dermal LD50	Rabbit	950 - 1250 mg/kg, 4 Hours 1.5 ml/kg, 4 Hours
Inhalation LC50		4197 ppm, 4 Hours 4124 mg/m <sup>3</sup> , 4 Hours
Oral LD50	Rat	382 - 587 mg/kg
Toluene (CAS 108-88-3)		
<b>Acute</b>		
Dermal LD50	Rabbit	>5000 mg/kg, 24 Hours
Inhalation LC50	Mouse	6405 - 7436 ppm, 6 Hours 5320 ppm, 8 Hours 5879 - 6281 ppm, 6 Hours 25.7 mg/l, 4 Hours
Oral LD50	Rat	>5000 mg/kg
* Estimates for product may be based on additional component data not shown.		
<b>SKIN CORROSION/IRRITATION:</b>		
Causes skin irritation.		
<b>SERIOUS EYE DAMAGE/IRRITATION:</b>		
Direct contact with eyes may cause temporary irritation.		
<b>RESPIRATORY SENSITIZATION OR SKIN SENSITIZATION:</b>		
<b>ACGIH Sensitization:</b> Propylene Oxide (CAS 75-56-9): Dermal sensitization		
<b>SKIN SENSITIZATION:</b>		
This product is not expected to cause skin sensitization.		
<b>GERM CELL MUTAGENICITY:</b>		
May cause genetic defects.		
<b>CARCINOGENICITY:</b>		
May cause cancer.		
<b>IARC Monographs - Overall Evaluation of Carcinogenicity:</b>		
Methylene Chloride (CAS 75-09-2)		2A Probably carcinogenic to humans.
Propylene Oxide (CAS 75-56-9)		2B Possibly carcinogenic to humans.
Toluene (CAS 108-88-3)		3 Not classifiable as to carcinogenicity to humans.
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):</b>		
Methylene Chloride (CAS 75-09-2)		Cancer.
<b>US. National Toxicology Program (NTP) Report on Carcinogens:</b>		
Methylene Chloride (CAS 75-09-2)		Reasonably Anticipated to be a Human Carcinogen.
Propylene Oxide (CAS 75-56-9)		Reasonably Anticipated to be a Human Carcinogen.
<b>REPRODUCTIVE TOXICITY:</b>		
Suspected of damaging the unborn child.		
<b>SPECIFIC TARGET ORGAN TOXICITY (single exposure):</b>		
Not classified.		
<b>SPECIFIC TARGET ORGAN TOXICITY (repeated exposures):</b>		
May cause damage to organs through prolonged or repeated exposure.		
<b>ASPIRATION HAZARD:</b>		
May be fatal if swallowed and enters airways.		
<b>CHRONIC EFFECTS:</b>		
May cause damage to organs through prolonged or repeated exposure. Prolonged exposure may cause chronic effects.		

## 12. Ecological Information

### ECOTOXICITY:

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

COMPONENTS	SPECIES	TEST RESULTS
1,2,4-trimethylbenzene (CAS 95-63-6)		
<b>Aquatic</b>		
Crustacea EC50	Daphnia	6.14 mg/L, 48 Hours
Fish LC50	Fathead minnow ( <i>Pimephales promelas</i> )	7.19 - 8.28 mg/l, 96 hours
Ethylene Glycol (CAS 107-21-1)		
<b>Aquatic</b>		
Crustacea EC50	Daphnia	46300 mg/L, 48 Hours
Fish LC50	Fathead minnow ( <i>Pimephales promelas</i> )	8050 mg/l, 96 hours
Isopropyl Alcohol (CAS 67-63-0)		
<b>Aquatic</b>		
Algae IC50	Algae	1000.0001 mg/L, 72 Hours
Crustacea EC50	Daphnia	13299 mg/L, 48 Hours
Fish LC50	Bluegill ( <i>Lepomis macrochirus</i> )	>1400 mg/l, 96 hours
Methanol (CAS 67-56-1)		
<b>Aquatic</b>		
Crustacea EC50	Water flea ( <i>Daphnia magna</i> )	>10000 mg/l, 48 hours
Fish LC50	Fathead minnow ( <i>Pimephales promelas</i> )	>100 mg/l, 96 hours
Methylene Chloride (CAS 75-09-2)		
<b>Aquatic</b>		
Algae IC50	Algae	500.0001 mg/L, 72 Hours
Crustacea EC50	Daphnia	1689.5 mg/L, 48 Hours
	Water flea ( <i>Daphnia magna</i> )	1250 mg/l, 48 hours
Fish LC50	Fathead minnow ( <i>Pimephales promelas</i> )	140.8 - 277.8 mg/l, 96 hours
Propylene Oxide (CAS 75-56-9)		
<b>Aquatic</b>		
Crustacea EC50	Daphnia	350 mg/L, 48 Hours
Toluene (CAS 108-88-3)		
<b>Aquatic</b>		
Algae IC50	Algae	433.0001 mg/L, 72 Hours
Crustacea EC50	Daphnia	7.645 mg/L, 48 Hours
	Water flea ( <i>Daphnia magna</i> )	5.46 - 9.83 mg/l, 48 hours
Fish LC50	Coho salmon, silver salmon ( <i>Oncorhynchus kisutch</i> )	8.11 mg/l, 96 hours
* Estimates for product may be based on additional component data not shown.		
<b>PERSISTENCE AND DEGRADABILITY:</b>		
No data is available on the degradability of this product.		
<b>BIOACCUMULATIVE POTENTIAL:</b>		
<b>Partition coefficient n-octanol / water (log Kow):</b>		
Isopropyl Alcohol	0.05	
Ethylene Glycol	-1.36	
Methanol	-0.77	
Methylene Chloride	1.25	
Propylene Oxide	0.03	
Toluene	2.73	
<b>MOBILITY IN SOIL:</b>		
No data available.		
<b>OTHER ADVERSE EFFECTS:</b>		
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.		

### 13. Disposal Consideration

#### DISPOSAL INSTRUCTIONS:

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

#### LOCAL DISPOSAL REGULATIONS:

Dispose in accordance with all applicable regulations.

#### HAZARDOUS WASTE CODE:

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

#### WASTE FROM RESIDUES/UNUSED PRODUCTS:

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

#### CONTAMINATED PACKAGING:

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**14. Transportation Information**

**DOT:** UN Number: UN1992  
 UN Proper Shipping Name: Flammable liquids, toxic, n.o.s. (Methylene Chloride, Toluene).  
 Transport Hazard Class(es)  
 Class: 3  
 Subsidiary Risk: 6.1 (PGIII).  
 Label(s): 3, 6.1



Packing Group: II  
 Special Precautions for User: Not available.  
 Special Provisions: IB2, T7, TP2, TP13.  
 Packaging Exceptions: 150.  
 Packaging Nonbulk: 202.  
 Packaging Bulk: 243.

**IATA:** UN Number: UN1992  
 UN Proper Shipping Name: Flammable liquid, toxic, n.o.s. (Methylene Chloride, Toluene).  
 Transport Hazard Class(es)  
 Class: 3  
 Subsidiary Risk: 6.1(PGIII)



Packing Group: II  
 Environmental Hazards: No.  
 ERG Code: 3HP  
 Special Precautions for User: Read safety instructions, SDS and emergency procedures before handling.  
 Other Information:

Passenger and Cargo Aircraft: Allowed with restrictions.  
 Cargo Aircraft Only: Allowed with restrictions.  
 Packaging Exceptions: LTD QTY

**IMDG:** UN NUMBER: UN1992  
 UN Proper Shipping Name: FLAMMABLE LIQUID, TOXIC, N.O.S. (Methylene Chloride, Toluene)  
 Transport Hazard Class(es)  
 Class: 3  
 Subsidiary Risk: 6.1(PGIII)



Packing Group: II  
 Environmental Hazards:  
 Marine pollutant: No.  
 EmS: F-E, S-D  
 Special Precautions for User: Read safety instructions, SDS and emergency procedures before handling.

**TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 and the IBC CODE:**  
 Not established.

**15. Regulatory Information**

**US FEDERAL REGULATIONS:**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):** Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

- Ethylene Glycol (CAS 107-21-1) Listed.
- Methanol (CAS 67-56-1) Listed.
- Methylene Chloride (CAS 75-09-2) Listed.
- Propylene Oxide (CAS 75-56-9) Listed.
- Toluene (CAS 108-88-3) Listed.

**SARA 304 Emergency Release Notification:**

Propylene Oxide (CAS 75-56-9) 100 LBS

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**

- Methylene Chloride (CAS 75-09-2): Cancer.
- Heart.
- Central nervous system.
- Liver.
- Skin irritation.
- Eye irritation.

**SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT of 1986 (SARA):**

Hazard Categories:

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

**SARA 302 Extremely Hazardous Substance:**

Chemical Name	CAS #	Reportable Quantity	Threshold Planning Quantity	Threshold Planning Quantity Lower Value	Threshold Planning Quantity Upper Value
Propylene Oxide	75-56-9	100	10000 lbs		

**SARA 311/312 Hazardous Chemical:** No.

**SARA 313 (TRI Reporting):**

Chemical Name	CAS #	% by wt.
Methylene Chloride	75-09-2	60 - 80
Toluene	108-88-3v	10 - 20
1,2,4-trimethylbenzene	95-63-6	0.1 - 1
Ethylene Glycol	107-21-1	0.1 - 1
Methanol	67-56-1	0.1 - 1
Propylene Oxide	75-56-9	0.1 - 1

**OTHER FEDERAL REGULATIONS:****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:**

Methanol (CAS 67-56-1)  
Methylene Chloride (CAS 75-09-2)  
Propylene Oxide (CAS 75-56-9)  
Toluene (CAS 108-88-3)

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

Propylene Oxide (CAS 75-56-9)

**Safe Drinking Water Act (SDWA):** Not regulated.**Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number:**

Toluene (CAS 108-88-3) 6594

**Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c)):**

Toluene (CAS 108-88-3) 35%WV

**DEA Exempt Chemical Mixtures Code Number:**

Toluene (CAS 108-88-3) 594

**US STATE REGULATIONS****US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100):** Not listed.**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd.(a)):**

1,2,4-trimethylbenzene (CAS 95-63-6)  
Ethylene Glycol (CAS 107-21-1)  
Isopropyl Alcohol (CAS 67-63-0)  
Methanol (CAS 67-56-1)  
Methylene Chloride (CAS 75-09-2)  
Propylene Oxide (CAS 75-56-9)  
Toluene (CAS 108-88-3)

**US. Massachusetts RTK - Substance List:**

1,2,4-trimethylbenzene (CAS 95-63-6)  
Ethylene Glycol (CAS 107-21-1)  
Isopropyl Alcohol (CAS 67-63-0)  
Methanol (CAS 67-56-1)  
Methylene Chloride (CAS 75-09-2)  
Propylene Oxide (CAS 75-56-9)  
Toluene (CAS 108-88-3)

**US. New Jersey Worker and Community Right-to-Know Act:**

1,2,4-trimethylbenzene (CAS 95-63-6)  
Ethylene Glycol (CAS 107-21-1)  
Isopropyl Alcohol (CAS 67-63-0)  
Methanol (CAS 67-56-1)  
Methylene Chloride (CAS 75-09-2)  
Propylene Oxide (CAS 75-56-9)  
Toluene (CAS 108-88-3)

**US. Pennsylvania Worker and Community Right-to-Know Law:**

1,2,4-trimethylbenzene (CAS 95-63-6)  
Ethylene Glycol (CAS 107-21-1)  
Isopropyl Alcohol (CAS 67-63-0)  
Methanol (CAS 67-56-1)  
Methylene Chloride (CAS 75-09-2)  
Propylene Oxide (CAS 75-56-9)  
Toluene (CAS 108-88-3)

**US. Rhode Island RTK:**

1,2,4-trimethylbenzene (CAS 95-63-6)  
Ethylene Glycol (CAS 107-21-1)  
Isopropyl Alcohol (CAS 67-63-0)  
Methanol (CAS 67-56-1)  
Methylene Chloride (CAS 75-09-2)  
Propylene Oxide (CAS 75-56-9)  
Toluene (CAS 108-88-3)

**US. California Proposition 65:** WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance:**

Ethyl Benzene (CAS 100-41-4) Listed: June 11, 2004  
Methylene Chloride (CAS 75-09-2) Listed: April 1, 1988  
Propylene Oxide (CAS 75-56-9) Listed: October 1, 1988

**US - California Proposition 65 - CRT: Listed date/Developmental toxin:**

Ethylene Glycol (CAS 107-21-1) Listed: June 19, 2015  
Methanol (CAS 67-56-1) Listed: March 16, 2012  
Toluene (CAS 108-88-3) Listed: March 16, 2012 Listed: January 1, 1991



**INTERNATIONAL INVENTORIES:**

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)  
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other Information****DISCLAIMER:**

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.