

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

Product identifier

Product Name Ice Breaker

Other means of identification

UN-No. UN1993

Product Codes 8046

Recommended use of the chemical and restrictions on use

Recommended Use Diesel Product

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Name Well•Worth Products, Inc.

Supplier Address 180 Dutton Ave  
Buffalo  
NY  
14211  
US

Supplier Phone Number Phone: 800-890-7935  
Fax: 716-597-0217  
Contact Phone: 716-597-0214

Supplier Web Site [www.wellworthproducts.com](http://www.wellworthproducts.com)

Emergency telephone number Chemtrec 800-424-9300

**2. HAZARDS IDENTIFICATION**

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)


Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Germ cell mutagenicity	Category 1B



Carcinogenicity	Category 1B
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 3

**GHS Label elements, including precautionary statements**

**Emergency Overview**

<b>Signal word</b>	<b>Danger</b>		
<b>Hazard Statements</b>			
Harmful if swallowed			
Harmful if inhaled			
Causes skin irritation			
Causes serious eye damage			
May cause genetic defects			
May cause cancer			
May cause drowsiness or dizziness			
May cause damage to organs through prolonged or repeated exposure			
May be fatal if swallowed and enters airways			
Flammable liquid and vapor			
			
<b>Appearance</b>	Clear	<b>Physical state</b>	Liquid
		<b>Odor</b>	Alcohol

**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Use only outdoors or in a well-ventilated area  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 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  
 Keep cool

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
 Specific treatment (see supplemental first aid instructions on this label)

**Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a POISON CENTER or doctor/physician

**Skin**

If skin irritation occurs: Get medical advice/attention

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

**Inhalation**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

**Ingestion**

Rinse mouth

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Do NOT induce vomiting

**Fire**

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store locked up

Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Unknown Toxicity**

0% of the mixture consists of ingredient(s) of unknown toxicity

**Other information**

May be harmful in contact with skin

Toxic to aquatic life with long lasting effects

PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION

**Interactions with Other Chemicals**

Use of alcoholic beverages may enhance toxic effects.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%	Trade Secret
n-Propyl alcohol	71-23-8	30 - 60	*
butyl cellosolve	111-76-2	10 - 30	*
Aromatic solvent	64742-95-6	7 - 13	*
1,2,4 Trimethylbenzene	95-63-6	7 - 13	*
Ethylene glycol	107-21-1	1 - 5	*
1,3,5-Trimethylbenzene	108-67-8	1 - 5	*
Xylene	1330-20-7	1 - 5	*
Diethyl Benzene	25340-17-4	1 - 5	*
Cumene	98-82-8	1 - 5	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret

### 4. FIRST AID MEASURES

#### First aid measures

##### General Advice

Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

##### Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub affected area. Seek immediate medical attention/advice.

##### Skin contact

Get medical attention if irritation develops and persists. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

##### Inhalation

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, (trained personnel should) give oxygen.

##### Ingestion

Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Aspiration hazard if swallowed - can enter lungs and cause damage. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Call a physician or poison control center immediately.

##### Self-protection of the first aider

Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

##### Most important symptoms and effects, both acute and delayed

##### Most Important Symptoms and Effects

Burning sensation. Coughing and/ or wheezing. Difficulty in breathing. Dizziness. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

##### Indication of any immediate medical attention and special treatment needed



**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Dry chemical, CO<sub>2</sub>, water spray or regular foam. Use water spray or fog; do not use straight streams.

### Unsuitable extinguishing media

CAUTION: All these products have a very low flash point. Use of water spray when fighting fire may be inefficient.

### Specific hazards arising from the chemical

Some may be transported hot.

#### **Uniform Fire Code**

Irritant: Liquid  
Toxic: Liquid  
Flammable Liquid: I-C

### Hazardous Combustion Products

Carbon oxides.

### Explosion Data

**Sensitivity to Mechanical Impact** No.

**Sensitivity to Static Discharge** Yes.

### Protective equipment and precautions for firefighters

Move containers from fire area if you can do it without risk.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Avoid breathing vapors or mists. Avoid generation of dust. Evacuate personnel to safe areas. See section 8 for more information. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

**Other Information** Water spray may reduce vapor; but may not prevent ignition in closed spaces.

### Environmental precautions

**Environmental precautions** Prevent entry into waterways, sewers, basements or confined areas.

### Methods and material for containment and cleaning up

**Methods for containment** A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

**Methods for cleaning up** Use clean non-sparking tools to collect absorbed material. Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Avoid breathing vapors or mists. In case of insufficient ventilation, wear suitable respiratory equipment. Use personal protection equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children. Protect from moisture. Store away from other materials. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

**Incompatible Products** Strong acids. Strong oxidizing agents. Strong bases.



## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
n-Propyl alcohol 71-23-8	TWA: 100 ppm	TWA: 200 ppm TWA: 500 mg/m <sup>3</sup> (vacated) TWA: 200 ppm (vacated) TWA: 500 mg/m <sup>3</sup> (vacated) STEL: 250 ppm (vacated) STEL: 625 mg/m <sup>3</sup>	IDLH: 800 ppm TWA: 200 ppm TWA: 500 mg/m <sup>3</sup> STEL: 250 ppm STEL: 625 mg/m <sup>3</sup>
butyl cellosolve 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m <sup>3</sup> (vacated) S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m <sup>3</sup>
1,2,4 Trimethylbenzene 95-63-6	-	-	TWA: 25 ppm TWA: 125 mg/m <sup>3</sup>
Ethylene glycol 107-21-1	Ceiling: 100 mg/m <sup>3</sup> aerosol only	(vacated) Ceiling: 50 ppm (vacated) Ceiling: 125 mg/m <sup>3</sup>	
1,3,5-Trimethylbenzene 108-67-8	-	-	TWA: 25 ppm TWA: 125 mg/m <sup>3</sup>
Xylene 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m <sup>3</sup> (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m <sup>3</sup>	
Cumene 98-82-8	TWA: 50 ppm	TWA: 50 ppm TWA: 245 mg/m <sup>3</sup> (vacated) TWA: 50 ppm (vacated) TWA: 245 mg/m <sup>3</sup> (vacated) S* S*	IDLH: 900 ppm TWA: 50 ppm TWA: 245 mg/m <sup>3</sup>

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits Immediately Dangerous to Life or Health

### Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters

### Appropriate engineering controls

### Engineering Measures

Showers  
Eyewash stations  
Ventilation systems

### Individual protection measures, such as personal protective equipment

### Eye/face protection

Tight sealing safety goggles.

### Skin and body protection

Wear protective gloves and protective clothing. Long sleeved clothing. Impervious gloves. Chemical resistant apron. Antistatic boots.

### Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.



**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical and Chemical Properties**

<b>Physical state</b>	Liquid	<b>Odor</b>	Alcohol
<b>Appearance</b>	Clear	<b>Odor Threshold</b>	No information available
<b>Color</b>	No information available		

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks</u></b>	<b><u>Method</u></b>
<b>pH</b>	UNKNOWN	None known	
<b>Melting / freezing point</b>	No data available	None known	
<b>Boiling point / boiling range</b>	No data available	None known	
<b>Flash Point</b>	23 C / 73 F	None known	
<b>Evaporation Rate</b>	No data available	None known	
<b>Flammability (solid, gas)</b>	No data available	None known	
<b>Flammability Limit in Air</b>			
<b>Upper flammability limit</b>	No data available		
<b>Lower flammability limit</b>	No data available		
<b>Vapor pressure</b>	No data available	None known	
<b>Vapor density</b>	No data available	None known	
<b>Specific Gravity</b>	No data available	None known	
<b>Water Solubility</b>	56.2% (40°C)	None known	
<b>Solubility in other solvents</b>	No data available	None known	
<b>Partition coefficient: n-octanol/water</b>	No data available	None known	
<b>Autoignition temperature</b>	No data available	None known	
<b>Decomposition temperature</b>	No data available	None known	
<b>Kinematic viscosity</b>	No data available	None known	
<b>Dynamic viscosity</b>	4.8	None known	
<b>Explosive properties</b>	No data available		
<b>Oxidizing properties</b>	No data available		

**Other Information**

<b>Softening Point</b>	No data available
<b>VOC Content (%)</b>	No data available
<b>Particle Size</b>	No data available
<b>Particle Size Distribution</b>	



## 10. STABILITY AND REACTIVITY

### Reactivity

No data available.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Hazardous Polymerization

Hazardous polymerization does not occur.

### Conditions to avoid

Excessive heat. Heat, flames and sparks.

### Incompatible materials

Strong acids. Strong oxidizing agents. Strong bases.

### Hazardous Decomposition Products

Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

##### Inhalation

Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. Harmful by inhalation. (based on components). Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause drowsiness and dizziness.

##### Eye contact

Specific test data for the substance or mixture is not available. Expected to be an irritant based on components. Severely irritating to eyes. Causes serious eye damage. May cause burns. May cause irreversible damage to eyes.

##### Skin contact

Specific test data for the substance or mixture is not available. Expected to be an irritant based on components. Irritating to skin. Prolonged contact may cause redness and irritation. Repeated exposure may cause skin dryness or cracking.

##### Ingestion

Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Harmful if swallowed. (based on components). Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways.

#### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
n-Propyl alcohol 71-23-8	= 1870 mg/kg ( Rat )	-	> 13548 ppm ( Rat ) 4 h
butyl cellosolve 111-76-2	= 470 mg/kg ( Rat )	= 220 mg/kg ( Rabbit )	= 450 ppm ( Rat ) 4 h
Aromatic solvent 64742-95-6	-	> 2000 mg/kg ( Rabbit )	> 5.2 mg/L ( Rat ) 4 h = 3400 ppm ( Rat ) 4 h
1,2,4 Trimethylbenzene 95-63-6	= 3400 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	= 18 g/m <sup>3</sup> ( Rat ) 4 h

Ethylene glycol 107-21-1	= 4000 mg/kg ( Rat )	-	-
1,3,5-Trimethylbenzene 108-67-8	-	-	= 24 g/m <sup>3</sup> ( Rat ) 4 h
Xylene 1330-20-7	= 4300 mg/kg ( Rat )	> 1700 mg/kg ( Rabbit )	= 47635 mg/L ( Rat ) 4 h = 5000 ppm ( Rat ) 4 h
Cumene 98-82-8	= 1400 mg/kg ( Rat )	= 12300 µL/kg ( Rabbit )	-

### Information on toxicological effects

#### Symptoms

Erythema (skin redness). May cause redness and tearing of the eyes. May cause blindness. Burning. Coughing and/ or wheezing. Difficulty in breathing. Asthma-like and/ or skin allergy-like symptoms. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Sensitization

No information available.

#### Mutagenic Effects

Contains a known or suspected mutagen.

#### Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
butyl cellosolve 111-76-2	A3	Group 3		
Xylene 1330-20-7		Group 3		
Cumene 98-82-8		Group 2B		X

#### **ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

#### **IARC (International Agency for Research on Cancer)**

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

#### **OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

#### Reproductive toxicity

No information available.

#### STOT - single exposure

No information available.

#### STOT - repeated exposure

Causes damage to organs through prolonged or repeated exposure. Based on classification criteria from the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200), this product has been determined to cause systemic target organ toxicity from chronic or repeated exposure. (STOT RE).

#### Chronic Toxicity

Contains a known or suspected mutagen. Possible risk of irreversible effects. Contains a known or suspected carcinogen. Aspiration may cause pulmonary edema and pneumonitis. Avoid repeated exposure. Prolonged exposure may cause chronic effects. May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects.

#### Target Organ Effects

Respiratory system. Eyes. Skin. May affect the genetic material in germ cells (sperm and eggs). Gastrointestinal tract (GI). Blood. Central Nervous System (CNS). Hematopoietic system. Kidney. Liver. Heart. Lungs.

**Aspiration Hazard** No information available.

**Numerical measures of toxicity Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)**

1,223.00 mg/kg

**ATEmix (dermal)**

4,775.00 mg/kg (ATE)

**ATEmix (inhalation-gas)**

19,651.00 ppm (4 hr)

**ATEmix (inhalation-dust/mist)**

4.00 mg/l

**ATEmix (inhalation-vapor)**

48.00 ATEmix

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Toxic to aquatic life with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
n-Propyl alcohol 71-23-8		96h LC50: = 4480 mg/L (Pimephales promelas)	EC50 = 17700 mg/L 5 min EC50 = 45000 mg/L 5 h EC50 = 8686 mg/L 15 min EC50 = 980 mg/L 12 h	48h EC50: 3339 - 3977 mg/L 48h EC50: = 3642 mg/L
butyl cellosolve 111-76-2		96h LC50: = 1490 mg/L (Lepomis macrochirus) 96h LC50: = 2950 mg/L (Lepomis macrochirus)		48h EC50: > 1000 mg/L 24h EC50: 1698 - 1940 mg/L
Aromatic solvent 64742-95-6		96h LC50: = 9.22 mg/L (Oncorhynchus mykiss)		48h EC50: = 6.14 mg/L
1,2,4 Trimethylbenzene 95-63-6		96h LC50: 7.19 - 8.28 mg/L (Pimephales promelas)		48h EC50: = 6.14 mg/L
Ethylene glycol 107-21-1	96h EC50: 6500 - 13000 mg/L (Pseudokirchneriella subcapitata)	96h LC50: = 41000 mg/L (Oncorhynchus mykiss) 96h LC50: 14 - 18 mL/L (Oncorhynchus mykiss) 96h LC50: = 40761 mg/L (Oncorhynchus mykiss) 96h LC50: = 27540 mg/L (Lepomis macrochirus) 96h LC50: = 16000 mg/L (Poecilia reticulata) 96h LC50: 40000 - 60000 mg/L (Pimephales promelas)	EC50 = 10000 mg/L 16 h EC50 = 620 mg/L 30 min EC50 = 620.0 mg/L 30 min	48h EC50: = 46300 mg/L
1,3,5-Trimethylbenzene 108-67-8		96h LC50: = 3.48 mg/L (Pimephales promelas)		24h EC50: = 50 mg/L
Xylene 1330-20-7		96h LC50: = 13.4 mg/L (Pimephales promelas) 96h LC50: 2.661 - 4.093 mg/L (Oncorhynchus mykiss) 96h LC50: 13.5 - 17.3 mg/L (Oncorhynchus mykiss) 96h LC50: 13.1 - 16.5 mg/L (Lepomis macrochirus) 96h LC50: = 19 mg/L (Lepomis macrochirus) 96h LC50: 7.711 - 9.591 mg/L (Lepomis macrochirus) 96h LC50: 23.53 - 29.97 mg/L (Pimephales promelas) 96h LC50: = 780 mg/L (Cyprinus carpio) 96h LC50: > 780 mg/L (Cyprinus carpio) 96h LC50: 30.26 - 40.75 mg/L (Poecilia reticulata)	EC50 = 0.0084 mg/L 24 h	48h EC50: = 3.82 mg/L 48h LC50: = 0.6 mg/L
Cumene 98-82-8	72h EC50: = 2.6 mg/L (Pseudokirchneriella subcapitata)	96h LC50: 6.04 - 6.61 mg/L (Pimephales promelas) 96h LC50: = 4.8 mg/L (Oncorhynchus mykiss) 96h LC50: = 2.7 mg/L (Oncorhynchus mykiss) 96h LC50: = 5.1 mg/L (Poecilia reticulata)	EC50 = 0.89 mg/L 5 min EC50 = 1.10 mg/L 15 min EC50 = 1.48 mg/L 30 min EC50 = 172 mg/L 24 h	48h EC50: = 0.6 mg/L 48h EC50: 7.9 - 14.1 mg/L

### Persistence and Degradability

No information available.

### Bioaccumulation

	Chemical Name	Log Pow	Page 12 / 17
	n-Propyl alcohol 71-23-8	0.34	
	2-Butoxyethanol 111-76-2	0.81	
	1,2,4 Trimethylbenzene 95-63-6	3.63	

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

**Disposal methods** This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

**Contaminated Packaging** Dispose of contents/containers in accordance with local regulations.

**US EPA Waste Number** D001 U055 U239

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Xylene 1330-20-7		Included in waste stream: F039		U239
Cumene 98-82-8				U055

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste
n-Propyl alcohol 71-23-8	Toxic Ignitable
1,2,4 Trimethylbenzene 95-63-6	Toxic
Xylene 1330-20-7	Toxic Ignitable
Cumene 98-82-8	Toxic Ignitable

### 14. TRANSPORT INFORMATION

#### DOT

**UN-No.** UN1993  
**Proper Shipping Name** FLAMMABLE LIQUIDS, N.O.S.  
**Hazard Class** 3  
**Packing Group** III  
**Description** UN1993, FLAMMABLE LIQUIDS, N.O.S. (N-PROPYL ALCOHOL, 1,2,4 TRIMETHYLBENZENE), 3, III  
**Emergency Response Guide Number** 128

#### TDG

**UN-No.** UN1993  
**Proper Shipping Name** FLAMMABLE LIQUID, N.O.S.  
**Hazard Class** 3  
**Packing Group** III  
**Description** UN1993, FLAMMABLE LIQUID, N.O.S. (N-PROPYL ALCOHOL, 1,2,4 TRIMETHYLBENZENE), 3, III, MARINE POLLUTANT

#### MEX

**UN-No.** UN1993  
**Proper Shipping Name** FLAMMABLE LIQUID, N.O.S.  
**Hazard Class** 3



**Packing Group** III  
**Description** UN1993, FLAMMABLE LIQUID, N.O.S. (N-PROPYL ALCOHOL, 1,2,4 TRIMETHYLBENZENE), 3, III

**ICAO**

**UN-No.** UN1993  
**Proper Shipping Name** FLAMMABLE LIQUID, N.O.S.  
**Hazard Class** 3  
**Packing Group** III  
**Description** UN1993, FLAMMABLE LIQUID, N.O.S. (N-PROPYL ALCOHOL, 1,2,4 TRIMETHYLBENZENE), 3, III

**IATA**

**UN-No.** UN1993  
**Proper Shipping Name** FLAMMABLE LIQUID, N.O.S.  
**Hazard Class** 3  
**Packing Group** III  
**Description** UN1993, FLAMMABLE LIQUID, N.O.S. (N-PROPYL ALCOHOL, 1,2,4 TRIMETHYLBENZENE), 3, III

**IMDG/IMO**

**UN-No.** UN1993  
**Proper Shipping Name** FLAMMABLE LIQUID, N.O.S.  
**Hazard Class** 3  
**Packing Group** III  
**EmS-No.** F-E, S-E  
**Marine Pollutant** Product is a marine pollutant according to the criteria set by IMDG/IMO  
**Description** UN1993, FLAMMABLE LIQUID, N.O.S. (N-PROPYL ALCOHOL, 1,2,4 TRIMETHYLBENZENE), 3, III, (23°C C.C.), MARINE POLLUTANT

**RID**

**UN-No.** UN1993  
**Proper Shipping Name** FLAMMABLE LIQUID, N.O.S.  
**Hazard Class** 3  
**Packing Group** III  
**Classification code** F1  
**Description** UN1993, FLAMMABLE LIQUID, N.O.S. (N-PROPYL ALCOHOL, 1,2,4 TRIMETHYLBENZENE), 3, III

**ADR**

**UN-No.** UN1993  
**Proper Shipping Name** FLAMMABLE LIQUID, N.O.S.  
**Hazard Class** 3  
**Packing Group** III  
**Classification code** F1  
**Tunnel restriction code** (D/E)  
**Description** UN1993, FLAMMABLE LIQUID, N.O.S. (N-PROPYL ALCOHOL, 1,2,4 TRIMETHYLBENZENE), 3, III

**ADN**

**UN-No.** UN1993  
**Proper Shipping Name** FLAMMABLE LIQUID, N.O.S.  
**Hazard Class** 3  
**Packing Group** III  
**Classification code** F1  
**Special Provisions** 274, 601, 640E

<b>Description</b>	UN1993, FLAMMABLE LIQUID, N.O.S. (N-PROPYL ALCOHOL, 1,2,4 TRIMETHYLBENZENE), 3, III
<b>Hazard Labels</b>	3
<b>Limited Quantity</b>	5 L
<b>Ventilation</b>	VE01

## 15. REGULATORY INFORMATION

### International Inventories

TSCA	Complies
DSL	All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
butyl cellosolve - 111-76-2	111-76-2	10 - 30	1.0
1,2,4 Trimethylbenzene - 95-63-6	95-63-6	7 - 13	1.0
Ethylene glycol - 107-21-1	107-21-1	1 - 5	1.0
Xylene - 1330-20-7	1330-20-7	1 - 5	1.0
Cumene - 98-82-8	98-82-8	1 - 5	1.0

#### SARA 311/312 Hazard Categories

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire Hazard</b>	Yes
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

#### CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Xylene 1330-20-7	100 lb			X

#### CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Ethylene glycol 107-21-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Xylene 1330-20-7	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ
Cumene 98-82-8	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

### US State Regulations



**California Proposition 65**

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Cumene - 98-82-8	Carcinogen

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
n-Propyl alcohol 71-23-8	X	X	X		
butyl cellosolve 111-76-2	X	X	X	X	X
1,2,4 Trimethylbenzene 95-63-6	X	X	X	X	X
Ethylene glycol 107-21-1	X	X	X	X	X
1,3,5-Trimethylbenzene 108-67-8	X	X	X		X
Xylene 1330-20-7	X	X	X	X	X
Diethyl Benzene 25340-17-4	X				
Cumene 98-82-8	X	X	X	X	X

**International Regulations****Mexico****National occupational exposure limits**

Component	Carcinogen Status	Exposure Limits
n-Propyl alcohol 71-23-8 ( 30 - 60 )		Mexico: TWA 200 ppm Mexico: TWA 500 mg/m <sup>3</sup> Mexico: STEL 250 ppm Mexico: STEL 625 mg/m <sup>3</sup>
butyl cellosolve 111-76-2 ( 10 - 30 )		Mexico: TWA 26 ppm Mexico: TWA 120 mg/m <sup>3</sup> Mexico: STEL 75 ppm Mexico: STEL 360 mg/m <sup>3</sup>
1,2,4 Trimethylbenzene 95-63-6 ( 7 - 13 )		Mexico: TWA 25 ppm Mexico: TWA 125 mg/m <sup>3</sup> Mexico: STEL 35 ppm Mexico: STEL 170 mg/m <sup>3</sup>
Ethylene glycol 107-21-1 ( 1 - 5 )		Mexico: Ceiling 100 mg/m <sup>3</sup>
1,3,5-Trimethylbenzene 108-67-8 ( 1 - 5 )		Mexico: TWA 25 ppm Mexico: TWA 125 mg/m <sup>3</sup> Mexico: STEL 35 ppm Mexico: STEL 170 mg/m <sup>3</sup>
Xylene 1330-20-7 ( 1 - 5 )		Mexico: TWA 100 ppm Mexico: TWA 435 mg/m <sup>3</sup> Mexico: STEL 150 ppm Mexico: STEL 655 mg/m <sup>3</sup>
Cumene 98-82-8 ( 1 - 5 )		Mexico: TWA 50 ppm Mexico: TWA 245 mg/m <sup>3</sup> Mexico: STEL 75 ppm Mexico: STEL 365 mg/m <sup>3</sup>

Mexico - Occupational Exposure Limits - Carcinogens

**Canada****WHMIS Hazard Class**

B2 - Flammable liquid





D2A - Very toxic materials  
 D2B - Toxic materials



**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards</b>	3	<b>Flammability</b>	3	<b>Instability</b>	0	<b>Physical and Chemical Hazards</b>	-
<b>HMIS</b>	<b>Health Hazards</b>	3 *	<b>Flammability</b>	3	<b>Physical Hazard</b>	0	<b>Personal Protection</b>	X

**Chronic Hazard Star Legend** \* = Chronic Health Hazard

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**Disclaimer**

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**End of Safety Data Sheet**