



# SAFETY DATA SHEET

Issue Date 01-Jun-2015

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Version 4

## 1. IDENTIFICATION

### Product identifier

**Product Name** UNIGLAZE WHITE

### Other means of identification

**Product Code** UGLZ1000

**UN/ID no.** UN1993

**Synonyms** UGLZ100001, UGLZ100003, UGLZ100004, UGLZ100005, UGLZ100007, UGLZ100008, UGLZ100009, UGLZ100010, UGLZ100012, UGLZ100013, UGLZ100014, UGLZ100015, UGLZ100016, UGLZ100017, UGLZ100019, UGLZ100020, UGLZ100021, UGLZ100022, UGLZ100023, UGLZ100033, UGLZ100035, UGLZ100055

### Recommended use of the chemical and restrictions on use

**Recommended Use** Restricted to professional users.

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### **Manufacturer Address**

Rutland Group  
10021 Rodney Street  
Pineville, NC 28134  
Tel: 704-553-0046

**E-mail address** product\_safety@rutlandinc.com

### Emergency telephone number

**Emergency Telephone** INFOTRAC 1-352-323-3500  
Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

#### OSHA Regulatory Status

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

Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1B
Flammable liquids	Category 3

### Label elements



### Emergency Overview

#### Danger

#### Hazard statements

May cause genetic defects  
May cause cancer  
Flammable liquid and vapor



**Appearance** viscous

**Physical state** liquid

**Odor** Aromatic

#### 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  
Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
Keep container tightly closed  
Ground/bond container and receiving equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge  
Use explosion-proof electrical/ventilating/lighting/./? /equipment

#### Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
In case of fire: Use CO2, dry chemical, or foam for extinction

#### Precautionary Statements - Storage

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

#### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

May be harmful if swallowed

Causes mild skin irritation

Toxic to aquatic life with long lasting effects

Toxic to aquatic life

Unknown acute toxicity

29.1% of the mixture has not undergone testing for acute toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Substance**

Not applicable

**Mixture**

Chemical Name	CAS No.	Weight-%	Trade Secret
TITANIUM DIOXIDE	13463-67-7	30 - 60	*
EPOXY RESIN	25036-25-3	10 - 30	*
2-BUTOXYETHANOL	111-76-2	3 - 7	*
1 METHOXY 2 PROPANOL ACETATE	108-65-6	1 - 5	*
SOLVENT NAPHTHA (PETROLEUM) LIGHT AROMATIC	64742-95-6	1 - 5	*
1,2,4-TRIMETHYLBENZENE	95-63-6	1 - 5	*
2-(2-Butoxyethoxy)ethyl acetate	124-17-4	0.1 - 1	*
ETHYL BENZENE	100-41-4	0.1 - 1	*
CUMENE	98-82-8	<0.1	*

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

## 4. FIRST AID MEASURES

### Description of first aid measures

<b>General advice</b>	Call 911 or emergency medical service. Remove and isolate contaminated clothing and shoes.
<b>Eye contact</b>	In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
<b>Skin contact</b>	Wash skin with soap and water.
<b>Inhalation</b>	Move victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Administer oxygen if breathing is difficult.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Call a physician or poison control center immediately.
<b>Self-protection of the first aider</b>	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

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

**Symptoms** No information available.

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

**Note to physicians** Keep victim warm and quiet.

## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media

Dry chemical, CO<sub>2</sub>, water spray or regular foam. Water spray, fog or regular foam. Use water spray or fog; do not use straight streams. Move containers from fire area if you can do it without risk.

**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

Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Those substances designated with a "P" may polymerize explosively when heated or involved in a fire. Runoff to sewer may create fire or explosion hazard. Substance may be transported hot.

### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk.

**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. See section 12 for additional ecological information.

### 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. Dike far ahead of liquid spill for later disposal.

**Methods for cleaning up** Use clean non-sparking tools to collect absorbed material.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep tightly closed in a dry and cool place  
Keep in properly labeled containers  
Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity)

**Incompatible materials** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
TITANIUM DIOXIDE 13463-67-7	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 10 mg/m <sup>3</sup> total dust	IDLH: 5000 mg/m <sup>3</sup>
2-BUTOXYETHANOL 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* 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>
ETHYL BENZENE 100-41-4	TWA: 20 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: 125 ppm (vacated) STEL: 545 mg/m <sup>3</sup>	IDLH: 800 ppm TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> STEL: 125 ppm STEL: 545 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>

NIOSH IDLH *Immediately Dangerous to Life or Health*

Chemical Name	Alberta OEL	British Columbia OEL	Manitoba OEL	New Brunswick OEL
TITANIUM DIOXIDE 13463-67-7	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 3 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>
2-BUTOXYETHANOL 111-76-2	TWA: 20 ppm TWA: 97 mg/m <sup>3</sup>	TWA: 20 ppm	TWA: 20 ppm	TWA: 25 ppm TWA: 121 mg/m <sup>3</sup>
1 METHOXY 2 PROPANOL ACETATE 108-65-6	-	TWA: 50 ppm STEL: 75 ppm	-	-
ETHYL BENZENE 100-41-4	TWA: 100 ppm TWA: 434 mg/m <sup>3</sup> STEL: 125 ppm STEL: 543 mg/m <sup>3</sup>	TWA: 20 ppm	TWA: 20 ppm	TWA: 100 ppm TWA: 434 mg/m <sup>3</sup> STEL: 125 ppm STEL: 543 mg/m <sup>3</sup>
CUMENE 98-82-8	TWA: 50 ppm TWA: 246 mg/m <sup>3</sup>	TWA: 25 ppm STEL: 75 ppm	TWA: 50 ppm	TWA: 50 ppm TWA: 246 mg/m <sup>3</sup>

Chemical Name	Newfoundland OEL	Northwest Territories OEL	Nova Scotia OEL	Nunavut OEL
TITANIUM DIOXIDE 13463-67-7	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> STEL: 20 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> STEL: 20 mg/m <sup>3</sup>
2-BUTOXYETHANOL 111-76-2	TWA: 20 ppm	TWA: 20 ppm STEL: 30 ppm	TWA: 20 ppm	TWA: 20 ppm STEL: 30 ppm
ETHYL BENZENE 100-41-4	TWA: 20 ppm	TWA: 100 ppm STEL: 125 ppm	TWA: 20 ppm	TWA: 100 ppm STEL: 125 ppm
CUMENE 98-82-8	TWA: 50 ppm	TWA: 50 ppm STEL: 74 ppm	TWA: 50 ppm	TWA: 50 ppm STEL: 74 ppm

Chemical Name	Ontario OEL	Prince Edward Island OEL	Quebec OEL	Saskatchewan OEL	Yukon OEL
TITANIUM DIOXIDE 13463-67-7	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> STEL: 20 mg/m <sup>3</sup>	STEL: 20 mg/m <sup>3</sup> TWA: 30 mppcf TWA: 10 mg/m <sup>3</sup>
2-BUTOXYETHANOL 111-76-2	TWA: 20 ppm	TWA: 20 ppm	TWA: 20 ppm TWA: 97 mg/m <sup>3</sup>	TWA: 20 ppm STEL: 30 ppm	STEL: 150 ppm STEL: 720 mg/m <sup>3</sup> TWA: 50 ppm TWA: 240 mg/m <sup>3</sup>
1 METHOXY 2 PROPANOL ACETATE	TWA: 50 ppm TWA: 270 mg/m <sup>3</sup>	-	-	-	-

108-65-6					
ETHYL BENZENE 100-41-4	TWA: 20 ppm	TWA: 20 ppm	TWA: 100 ppm TWA: 434 mg/m <sup>3</sup> STEL: 125 ppm STEL: 543 mg/m <sup>3</sup>	TWA: 100 ppm STEL: 125 ppm	STEL: 125 ppm STEL: 545 mg/m <sup>3</sup> TWA: 100 ppm TWA: 435 mg/m <sup>3</sup>
CUMENE 98-82-8	TWA: 50 ppm	TWA: 50 ppm	TWA: 50 ppm TWA: 246 mg/m <sup>3</sup>	TWA: 50 ppm STEL: 74 ppm	STEL: 75 ppm STEL: 365 mg/m <sup>3</sup> TWA: 50 ppm TWA: 245 mg/m <sup>3</sup>

**Other Information** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Appropriate engineering controls**

**Engineering Controls** 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.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	liquid	<b>Odor</b>	Aromatic
<b>Appearance</b>	viscous	<b>Odor threshold</b>	No information available
<b>Color</b>	white		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	7	
<b>Melting point/freezing point</b>	No information available	
<b>Boiling point / boiling range</b>	149 °C / 300 °F	
<b>Flash point</b>	52 °C / 126 °F	CC (closed cup)
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit:</b>	No information available	
<b>Lower flammability limit:</b>	No information available	
<b>Vapor pressure</b>	No information available	
<b>Vapor density</b>	No information available	
<b>Specific Gravity</b>	1.6	
<b>Water solubility</b>	Insoluble in water	
<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient</b>	No information available	
<b>Autoignition temperature</b>	No information available	
<b>Decomposition temperature</b>	No information available	
<b>Kinematic viscosity</b>	No information available	
<b>Dynamic viscosity</b>	No information available	
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	

### Other Information

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content</b>	600 (theoretical) g/L
<b>Density</b>	No information available
<b>Bulk density</b>	No information available

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to avoid

Heat, flames and sparks.

### Incompatible materials

None known based on information supplied.

### Hazardous Decomposition Products

None known based on information supplied.



## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Product Information</b>	No data available
<b>Inhalation</b>	No data available.
<b>Eye contact</b>	No data available.
<b>Skin contact</b>	No data available.
<b>Ingestion</b>	No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
TITANIUM DIOXIDE 13463-67-7	> 10000 mg/kg ( Rat )	-	-
2-BUTOXYETHANOL 111-76-2	= 470 mg/kg ( Rat )	= 99 mg/kg ( Rabbit )	= 450 ppm ( Rat ) 4 h = 486 ppm ( Rat ) 4 h
1 METHOXY 2 PROPANOL ACETATE 108-65-6	= 8532 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	-
SOLVENT NAPHTHA (PETROLEUM) LIGHT AROMATIC 64742-95-6	= 8400 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	= 3400 ppm ( Rat ) 4 h
1,2,4-TRIMETHYLBENZENE 95-63-6	= 3280 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	= 18 g/m <sup>3</sup> ( Rat ) 4 h
2-(2-Butoxyethoxy)ethyl acetate 124-17-4	= 6500 mg/kg ( Rat )	= 14500 mg/kg ( Rabbit )	= 72500 mg/m <sup>3</sup> ( Rat ) 4 h
ETHYL BENZENE 100-41-4	= 3500 mg/kg ( Rat )	= 15400 mg/kg ( Rabbit )	= 17.4 mg/L ( Rat ) 4 h
CUMENE 98-82-8	= 1400 mg/kg ( Rat )	= 12300 µL/kg ( Rabbit )	> 3577 ppm ( Rat ) 6 h = 39000 mg/m <sup>3</sup> ( Rat ) 4 h

### Information on toxicological effects

**Symptoms** No information available.

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

**Sensitization** No information available.

**Germ cell mutagenicity** No information available.

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

Chemical Name	ACGIH	IARC	NTP	OSHA
TITANIUM DIOXIDE 13463-67-7	-	Group 2B	-	X
2-BUTOXYETHANOL 111-76-2	A3	Group 3	-	-
ETHYL BENZENE 100-41-4	A3	Group 2B	-	X
CUMENE 98-82-8	-	Group 2B	Reasonably Anticipated	X

*ACGIH (American Conference of Governmental Industrial Hygienists)*

*A3 - Animal Carcinogen*

*IARC (International Agency for Research on Cancer)*

*Group 2B - Possibly Carcinogenic to Humans*

*Not classifiable as a human carcinogen*

*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** No information available.

**Chronic toxicity** May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects.

**Target Organ Effects** blood, Central nervous system, Eyes, Hematopoietic System, kidney, liver, Lungs,

**Aspiration hazard** Respiratory system, Skin.  
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)** 4335 mg/kg  
**ATEmix (dermal)** 6930 mg/kg  
**ATEmix (inhalation-gas)** No information available  
**ATEmix (inhalation-dust/mist)** 11.5 mg/l  
**ATEmix (inhalation-vapor)** No information available mg/l

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Toxic to aquatic life with long lasting effects

30.1 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

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

**Contaminated packaging** Do not reuse container.

**US EPA Waste Number** D001 U055 U140 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
ETHYL BENZENE 100-41-4	-	Included in waste stream: F039	-	-
CUMENE 98-82-8	-	-	-	U055
ISOBUTYL ALCOHOL 78-83-1	U140	Included in waste streams: F005, F039	-	U140

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

Chemical Name	California Hazardous Waste Status
ETHYL BENZENE 100-41-4	Toxic Ignitable
CUMENE 98-82-8	Toxic Ignitable

<b>14. TRANSPORT INFORMATION</b>
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**DOT**

<b>UN/ID no.</b>	UN1993
<b>Proper shipping name</b>	Flammable liquids, n.o.s.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Reportable Quantity (RQ)</b>	Xylenes mixed isomers: RQ kg= 9265.31
<b>Special Provisions</b>	B1, B52, IB3, T4, TP1, TP29
<b>Description</b>	UN1993, Flammable liquids, n.o.s. (1 METHOXY 2 PROPANOL ACETATE, 1,2,4-TRIMETHYLBENZENE), 3, III, RQ
<b>Emergency Response Guide Number</b>	128

**TDG**

<b>UN/ID no.</b>	UN1993
<b>Proper shipping name</b>	Flammable liquid, n.o.s.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Description</b>	UN1993, Flammable liquid, n.o.s. (1 METHOXY 2 PROPANOL ACETATE, 1,2,4-TRIMETHYLBENZENE), 3, III

**MEX**

<b>UN/ID no.</b>	UN1993
<b>Proper shipping name</b>	Flammable liquid, n.o.s.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Description</b>	UN1993, Flammable liquid, n.o.s. (1 METHOXY 2 PROPANOL ACETATE, 1,2,4-TRIMETHYLBENZENE), 3, III

**ICAO (air)**

<b>UN/ID no.</b>	UN1993
<b>Proper shipping name</b>	Flammable liquid, n.o.s.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Special Provisions</b>	A3
<b>Description</b>	UN1993, Flammable liquid, n.o.s. (1 METHOXY 2 PROPANOL ACETATE, 1,2,4-TRIMETHYLBENZENE), 3, III

**IATA**

<b>UN/ID no.</b>	UN1993
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>ERG Code</b>	3L
<b>Special Provisions</b>	A3
<b>Description</b>	UN1993, Flammable liquid, n.o.s. (1 METHOXY 2 PROPANOL ACETATE, 1,2,4-TRIMETHYLBENZENE), 3, III

**IMDG**

<b>UN/ID no.</b>	UN1993
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>EmS-No.</b>	F-E, S-E
<b>Special Provisions</b>	223, 274, 955
<b>Description</b>	UN1993, Flammable liquid, n.o.s. (1 METHOXY 2 PROPANOL ACETATE, 1,2,4-TRIMETHYLBENZENE), 3, III, (52°C c.c.)

**RID**

<b>UN/ID no.</b>	UN1993
<b>Proper shipping name</b>	Flammable liquid, n.o.s.
<b>Hazard Class</b>	3

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<b>Packing Group</b>	III
<b>Classification code</b>	F1
<b>Description</b>	UN1993, Flammable liquid, n.o.s. (1 METHOXY 2 PROPANOL ACETATE, 1,2,4-TRIMETHYLBENZENE), Environmentally Hazardous, 3, III

**ADR**

<b>UN/ID no.</b>	UN1993
<b>Proper shipping name</b>	Flammable liquid, n.o.s.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Classification code</b>	F1
<b>Tunnel restriction code</b>	(D/E)
<b>Special Provisions</b>	274, 601, 640E
<b>Description</b>	UN1993, Flammable liquid, n.o.s. (1 METHOXY 2 PROPANOL ACETATE, 1,2,4-TRIMETHYLBENZENE), Environmentally Hazardous, 3, III, (D/E)
<b>Labels</b>	3

**ADN**

UN Number	UN1993
<b>Proper shipping name</b>	Flammable liquid, n.o.s.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Classification code</b>	F1
<b>Special Provisions</b>	274, 601, 640E
<b>Description</b>	UN1993, Flammable liquid, n.o.s. (1 METHOXY 2 PROPANOL ACETATE, 1,2,4-TRIMETHYLBENZENE), Environmentally Hazardous, 3, III
<b>Hazard label(s)</b>	3
<b>Limited quantity (LQ)</b>	5 L
<b>Ventilation</b>	VE01

<b>15. REGULATORY INFORMATION</b>
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<b>International Inventories</b>	<b>On Inventory (Yes/No)</b>
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<b>TSCA</b>	Yes
<b>DSL/NDSL</b>	Yes
<b>EINECS/ELINCS</b>	No
<b>ENCS</b>	No
<b>IECSC</b>	Yes
<b>KECL</b>	Yes
<b>PICCS</b>	Yes
<b>AICS</b>	Yes

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**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	SARA 313 - Threshold Values %
2-BUTOXYETHANOL - 111-76-2	1.0
1,2,4-TRIMETHYLBENZENE - 95-63-6	1.0
ETHYL BENZENE - 100-41-4	0.1

**SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<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
ETHYL BENZENE 100-41-4	1000 lb	X	X	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	CERCLA/SARA RQ	Reportable Quantity (RQ)
ETHYL BENZENE 100-41-4	1000 lb	-	RQ 1000 lb final RQ RQ 454 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

TITANIUM DIOXIDE - 13463-67-7	Carcinogen
ETHYL BENZENE - 100-41-4	Carcinogen
CUMENE - 98-82-8	Carcinogen

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
TITANIUM DIOXIDE 13463-67-7	X	X	X
2-BUTOXYETHANOL 111-76-2	X	X	X
1,2,4-TRIMETHYLBENZENE 95-63-6	X	X	X
XYLENE 1330-20-7	X	X	X
ETHYL BENZENE 100-41-4	X	X	X
CUMENE 98-82-8	X	X	X
ISOBUTYL ALCOHOL 78-83-1	X	X	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<b>NFPA</b>	Health hazards 2	Flammability 2	Instability 0	Physical and Chemical Properties -
<b>HMIS</b>	Health hazards 2	Flammability 2	Physical hazards 0	Personal protection X

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**Revision Note**

SDS sections updated 1 3 9

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**