





# **Economy**<sup>®</sup>

## **POLYMERS & CHEMICALS**

drowsy or unconscious, do not induce vomiting or give anything by mouth; place victim on the left side with head down. If possible, do not leave victim unattended.

Caution: If unconscious, having trouble breathing or in convulsions, do not induce vomiting or give water.

Note to physicians: This product contains methanol. Ethanol decreases the metabolism of methanol. Ethanol should be administered as soon as possible in cases of severe poisoning. If ethanol therapy is indicated, administer a loaded dose of 7.6 to 10 mL of 10% ETOH in D5W over 30-60 minutes. Maintenance dose of 1.4 mL/Kg/Hr of 10% ETOH, to achieve a 100 to 130 mg/dL blood ETOH level during ethanol therapy. (If charcoal is administered, ethanol should be administered intravenously and not orally.)

### **Section V - Fire & Explosion Hazard Data**

Flash Point: 54°F  
Lower Explosive Limit: 2.0%  
Upper Explosive Limit: 36.0%

Extinguishing Media: Water spray, Foam, CO<sub>2</sub>, Dry Chemical or other agent suitable for Class B fires

Fire & Explosion Hazards: Closed containers may rupture (due to buildup of pressure) when exposed to extreme heat. Cool drums exposed to flames with a water spray. May evolve CO, CO<sub>2</sub> and/or NO<sub>x</sub> under fire conditions

\*Additional information will be provided in a medical emergency to qualified medical personnel.

### **Section VI – Accidental Release Measures**

Spill Control and Recovery:

Small Spills: Contain with absorbent material, such as clay, soil, or any commercially available absorbent. Shovel reclaimed liquid into recovery or salvage drums for disposal. Refer to CERCLA in Section XV.

Large Spills: Dike and prevent further movement and reclaim into recovery or salvage drums or tank truck for disposal. Refer to CERCLA in Section XV.

### **Section VII – Handling and Storage**

Handling Precautions: Avoid contact with eyes, skin, or clothing. Avoid breathing vapors. Wash hands after use. Launder contaminated clothing before reuse.

Storage Information: Store away from oxidizers. Store in a cool well ventilated area. Keep from heat, sparks, and open flames. Keep container closed when not in use.

### **Section VIII - Personal Protection Information**

Air Exposure Recommendations

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**Polymers & Chemicals**

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## POLYMERS & CHEMICALS

Normal Use	Gas, Fumes, Mists	Special Thermal
General Ventilation	Exceeds TLV	Spray Application
3 *	General Ventilation	General Ventilation
	3*	3 *

\*Respiratory protection codes:

1. None Needed
2. Particle-removing, air purifying respirator (Dusk Mask)
3. Gas and vapor-removing, air purifying respirator (Canister)
4. Full face mask, positive pressure-demand type (Air Supplied)

Eye Protection: Goggles, Face Shield

Skin Protection: Neoprene Gloves, Nitrile Gloves

Other Protective Equipment: Chemical Resistant Apron, Shoes

### Section IX - Physical Data

Flash Point:	54°F	Appearance:	Clear, Amber Liquid
Boiling Point:	147°F	pH range (neat):	7.0-8.5
Viscosity:	4cst @ 100°F	Odor:	Alcohol
Density (lbs/gal):	7.38	Specific Gravity	0.884
Vapor Pressure:	96 mmHG @ 100°F	Vapor Density	>1.0 (Air =1.0)
Solubility:	Water soluble	Pour Point	-30°F

### Section X - Reactivity Data

Stability: Stable    Hazardous Polymerization: Will not occur

Conditions to avoid: Keep away from heat, sparks, and flame

Incompatibility (Materials to Avoid): Strong oxidizers

Hazardous Decomposition Products: Fumes produced when heated to decomposition may include: oxides of carbon and NO<sub>x</sub>

NFPA RATINGS: HEALTH 2, FLAMMABILITY 3, REACTIVITY 0

HIMS RATINGS: FLAMMABILITY 3, REACTIVITY 0, HEALTH 2

### Section XI – Toxicological Information

Does product contain any OSHA, NTP or IARC Carcinogens? No

Nature of Hazard (Physiological Effects)

Signs & Systems of Overexposure in the Workplace:

Principle Route of Exposure: Eye or skin contact, inhalation

Eyes: Extremely irritating to the eyes with possible permanent damage depending on the length of exposure and on the first aid action given. Symptoms may include stinging, tearing, redness and swelling.

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**Skin:** Irritating to the skin. Symptoms include redness and burning. Skin adsorption possible, but harmful effects are not expected from this route of exposure under normal conditions of handling and use. Can cause allergic contact dermatitis in susceptible individuals

**Inhalation:** Prolonged inhalation of mist or vapor in excess of the recommended exposure limits can be harmful, causing nausea, irritation, dizziness, light-headedness, vomiting, fatigue, headache or unconsciousness depending on the first aid action given.

**Ingestion:** Can cause blindness due to methanol. Ingestion of this product will also cause severe abdominal distress, with nausea, vomiting, and diarrhea probably depending on the first aid action given. See note to physician above.

**MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE:** None listed in available data.

### **Section XII – Ecological Information**

This product contains methanol. Ingestion of methanol, even in small amounts can cause blindness and death. This material is not listed as a carcinogen by IARC, NTP, or OSHA.

### **Section XIII – Disposal Considerations**

If this product becomes a waste, it meets the criteria of a hazardous waste as defined under the Resources Conservation and Recovery Act (RCRA) 40 CFR 261. Hazardous Waste D001.

As a hazardous liquid waste, it must be solidified with stabilizing agents (such as sand, fly ash, or cement) so that no free liquid remains before disposal to a licensed industrial waste landfill (Hazardous Waste Treatment, Storage, and Disposal Facility). A hazardous liquid waste can also be incinerated in accordance with local, state and federal regulations.

### **Section XIV – Transport Information**

DOT: Flammable Liquid, N.O.S. (contains Methanol), 3, UN1993, III

Reportable Quantities (RQ): 12,500 lbs

RQ Component(s): Methanol

### **Section XV – Regulatory Information**

The following regulations apply to this product:

Federal Regulations:

OSHA's Hazard Communication Rule, 29 CFR 1910.1200:

Methanol - Flammable, Systemic Effects (section XI)

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ACGIH/TLV

TWA = 200ppm, STEL 250ppm

OSHA/PEL

TWA = 200ppm, STEL 250ppm

CERCLA/Superfund, 40 CFR 117, 302:

This Product contains methanol, a Reportable Quantity (RQ) Substance and if 12,500 pounds or more of the product are released, it requires notification to the NATIONAL RESPONSE CENTER, WASHINGTON, D.C. at 1-800-424-8802

SARA/Superfund Amendments and Reauthorizations Act of 1986

Title III, Section 311, 312 – Material Safety Data Sheet Requirements (40 CFR 370):

This product should be reported under the following categories:

Immediate (acute) health hazard (Primary Hazard)

Delayed (chronic) health hazard (Primary Hazard)

Fire hazard (Primary Hazard)

Sudden release of pressure hazard

Reactive hazard

Under SARA 311 and 312, the EPA has established threshold quantities for the reporting of a hazardous chemical. The current thresholds are: 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals

Section 313 – List of Toxic Chemicals (40 CFR 372):

Methanol

67-56-1

Confidential

Toxic Substance Control Act (TSCA) (40 CFR 710):

The chemical ingredients in this product are on the 8 (b) inventory list

Resource Conservation Recovery Act (RCRA), 40 CFR 261 Subpart C & D:

Consult Section XIII for RCRA Classification

State Regulations:

State Right To Know Laws: This product is regulated in those states using the TLV for methanol as criteria for listing.

### Section XVI – Miscellaneous

Disclaimer: \*\*This information is furnished without warranty, expressed or implied, as to accuracy for completeness. This information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or in any process. Final determination of suitability of any material is the sole responsibility of the user

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