



## ETHYLENE GLYCOL INDUSTRIAL GRADE

### SAFETY DATA SHEET

#### SECTION 1 L PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** ETHYLENE GLYCOL INDUSTRIAL  
**Product Code:** IMEG  
**Primary Use(s):** HEAT TRANSFER, POLYMERIZATION, SOLVENT  
  
**Manufactured By:** SHARPTECH USA  
 30401 Energy Drive  
 New Church, VA 23415, USA  
  
**Telephone (General)** 757.824.0010  
**EMERGENCY TELEPHONE** CHEMTREC (800) 424-9300

#### SECTION 2 – HAZARD IDENTIFICATION

**Physical State** Liquid, clear  
**Odor** Mild, sweet odor  
**Emergency Overview** This product presents no specific emergency hazard  
  
**Signal Word(s)** **WARNING**  
**Hazard Statements** Causes Eye Irritation Causes Skin Irritation Harmful/Toxic If Swallowed  
  
**Hazard Symbol**  (H373) May cause kidney damage  (H302) Harmful if swallowed  
  
**GHS CLASSIFICATIONS** Acute Oral Toxicity **5** Acute Dermal Toxicity **5** Corrosion/Irritation Skin **3**  
 Acute Inhalation Toxicity **5** Serious Eye Damage/ Eye Irritation **2B**

#### SECTION 3 – COMPOSITION/ INGREDIENT INFORMATION

<u>NAME</u>	<u>CAS No</u>	<u>EU INVENTORY</u>	<u>PERCENTAGE</u>
Ethane 1,2 - diol (monoethylene glycol)	107-21-1	203-473-3	>99.5
2-(2 hydroxyethoxy) ethan-1- ol (diethylene glycol)	111-46-6	203-872-2	< 0.2
Water	7732-18-5	231-791-2	< 0.1

## SECTION 4 – FIRST AID MEASURES

<b>EYE CONTACT</b>	Remove corrective lenses. Wash with cool water including under eyelid for 15 mins. See doctor if irritation persists.
<b>SKIN CONTACT</b>	Remove affected clothing, Wash with mild soap and water. Apply lotion for redness.
<b>INHALATION</b>	Remove person to fresh air.
<b>INGESTION</b>	Wash mouth and other contacted parts with water. Never give anything by mouth to an unconscious person. If conscious, give 1-2 glasses of water. Avoid alcohol. Contact doctor or poison control center.
<b>PHYSICAL NOTES</b>	N/A

## SECTION 5 – FIRE FIGHTING MEASURES

<b>Flash Point</b>	Flash Point > 200 deg. F
<b>Combustion</b>	Carbon Dioxide, Ash, Water
<b>Extinguishing Media (suitable)</b>	Water, Foam, ABC Extinguisher
<b>( not suitable)</b>	Unknown
<b>Special Hazards</b>	Unknown
<b>Special Protective Equipment</b>	Face Shield, Gloves, Self-contained air supply

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Safety Glasses and Gloves.
<b>Environmental Precautions</b>	Collect product or waste and offer to environmental waste disposal company
<b>Cleanup Methods</b>	Absorb and/or collect all spilled material put in suitable container and send to suitable hazmat collection service or landfill.

## SECTION 7– HANDLING AND STORAGE

<b>Handling</b>	Only use suppliers approved and labelled containers
<b>Storage</b>	Store in clean, dry, ventilated place

## SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

<b>Preventive Measures</b>	ONLY USE SUPPLIED COONTAINER
<b>Engineering Controls</b>	Provide fresh air at all times
<b>Personal Protection (recommended)</b>	 
<b>EYES</b>	Wear safety glasses when transferring product
<b>SKIN</b>	Wear gloves when transferring product
<b>RESPIRATORY</b>	Normal ventilation is sufficient
<b>HANDS</b>	Wear rubber gloves when transferring product

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE

Physical State	Liquid
Color	Clear
Odor	Characteristic
Odor Threshold	Unknown

### Important Health, Safety, Environmental Information

pH (50%w/water sol'n)	6.5 – 8.0
Boiling Point	Above 200 deg. F
Pour Point/Freezing (50% w /water)	Freeze Point -34F/-37C
Flash Point	260F/127C
Oxidizing Properties	None
Vapor Pressure	0.12 mm Hg @20C
Specific Gravity	1.113 -1.116
Water Solubility	Soluble
Vapor Density (air =1)	2.1

## SECTION 10 – STABILITY AND REACTIVITY

Stability and Reactivity	Stable
Incompatibility with various substances	Do not mix with strong acids
Hazardous polymerization	Will not occur
Hazardous decomposition products	When heated to decomposition, may emit toxic fumes

## SECTION 11 – TOXICOLOGICAL

Potential Acute Health Effects (ingredient)	LD oral rat = 4000 mg/kg; LD50 dermal rat=9500 mg/kg LD50 oral rat=12565 mg/kg; LD50 dermal rat=11890 mg/kg
monoethylene glycol	
diethylene glycol	
Acute Oral Effects	Can cause irritation to mouth, throat, and stomach. Large volume ingestion may cause depression of central nervous system.
Potential Chronic Health Effects	
Chronic Effects:	None expected under normal use conditions
Carcinogenicity:	Neither product nor its ingredients are listed by IARC, NTD or OSHA
Mutagenicity:	Not mutagenic
Teratogenicity:	Not Teratogenic

## SECTION 12 – ECOLOGICAL INFORMATION

Aquatic Toxicity	 May be toxic to aquatic organisms
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## SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal Method:	Dispose of waste through hazardous waste contractor/recycler.
Container Cleaning and Disposal:	Containers should be cleaned of residual product before disposal.

## SECTION 14 – TRANSPORT INFORMATION

<b>DOT Proper Shipping Name:</b>	Ethylene Glycol
<b>Shipping Symbols:</b>	Environmental Hazard
<b>Hazard Class:</b>	Environmental Hazard
<b>UN Number:</b>	Not regulated unless shipping container holds at least 10,539 pounds.
<b>Packing Group:</b>	Not applicable
<b>Label:</b>	Not applicable
<b>Special Provisions (172.102):</b>	Not applicable
<b>Bulk Shipments</b>	
<b>DOT Proper Shipping Name:</b>	Environmentally hazardous substance, liquid, n.o.s. (Ethylene glycol)
<b>UN Number:</b>	UN 3082
<b>Label Requirement:</b>	Class 9, UN 3082

## SECTION 15 – REGULATORY INFORMATION

### EPA Regulations

RCRA Hazardous Waste Number and RCRA Hazardous Waste Classification: Unused product is not classified as a hazardous waste by RCRA criteria

CERCLA Hazardous Substance and CERCLA Reportable Quantity: Does not contain any ingredients listed as a CERCLA hazardous substance.

SARA Toxic Chemical and SARA EHS: Contains following substance which is listed in Title III: Ethylene Glycol.  
SARA 313 Information:  
SARA Hazard Category: An immediate health hazard A delayed health hazard

### OSHA Regulations:

### State Regulations

Other: All components listed on both TSCA (USA) and DSL (Canada) inventory.

CANADIAN WHMIS CLASSIFICATION: Class D, Division 2, Subdivision B (A toxic material causing other chronic effects)

## SECTION 16 – OTHER INFORMATION

HMIS(USA) Health=1, Fire=1, Reactivity=0

### Additional Hazard Rating Systems:

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This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not apply.

CONSULT Company listed in Section 1. FOR FURTHER INFORMATION.