



ETHYLENE GLYCOL
INDUSTRIAL GRADE

SAFETY DATA SHEET

SECTION 1 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

SECTION 4 – FIRST AID MEASURES

EYE CONTACT	Remove corrective lenses. Wash with cool water including under eyelid for 15 mins. See doctor if irritation persists.
SKIN CONTACT	Remove affected clothing, Wash with mild soap and water. Apply lotion for redness.
INHALATION	Remove person to fresh air.
INGESTION	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.
PHYSICAL NOTES	Avoid alcohol. Contact doctor or poison control center. N/A

SECTION 5 – FIRE FIGHTING MEASURES

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

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions	Safety Glasses and Gloves.
Environmental Precautions	Collect product or waste and offer to environmental waste disposal company
Cleanup Methods	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

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

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

Preventive Measures	ONLY USE SUPPLIED COONTAINER
Engineering Controls	Provide fresh air at all times

Personal Protection (recommended)

EYES	
SKIN	Wear safety glasses when transferring product
RESPIRATORY	Wear gloves when transferring product
HANDS	Normal ventilation is sufficient 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) monoethylene glycol diethylene glycol	LD oral rat = 4000 mg/kg; LD50 dermal rat=9500 mg/kg LD50 oral rat=12565 mg/kg; LD50 dermal rat=11890 mg/kg
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: Carcinogenicity:	None expected under normal use conditions Neither product nor its ingredients are listed by IARC, NTD or OSHA
Mutagenicity: Teratogenicity:	Not mutagenic 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

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

Additional Hazard Rating Systems: HMIS(USA) Health=1, Fire=1, Reactivity=0

Disclaimer: THE INFORMATION GIVEN HEREIN IS GIVEN IN GOOD FAITH AND FROM SOURCES WE BELIEVE

**RELIABLE. BUT NO WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS IS MADE.
SHELF LIFE OF SEALED PACKAGED MATERIAL TWO YEARS FROM DATE OF DELIVERY**

The conditions or methods of handling, storage, use and disposal of this product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product.

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.

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