

**TRIETHYLENE GLYCOL
 INDUSTRIAL**

SAFETY DATA SHEET

SECTION 1 L PRODUCT AND COMPANY IDENTIFICATION

Product Name: TRIETHYLENE GLYCOL
Product Code: ITEG
Primary Use(s): HEAT TRANSFER FLUID, DESSICANT

Manufactured By: SHARPTECH USA
 30401 Energy Drive
 New Church, VA 23415, USA
 757.824.0010



Telephone (General) CHEMTREC (800) 424-9300
EMERGENCY TELEPHONE

SECTION 2 – HAZARD IDENTIFICATION

Physical State Liquid, clear pale color
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>
Triethylene Glycol	112-27-6	203-953-2	>99.5
Water	7732-18-5	231-791-2	<0.1
Diethylene Glycol	111-46-6	203-872-2	< 0.5

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. Avoid alcohol. Contact doctor or poison control center.
PHYSICAL NOTES	N/A

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point	Flash Point > 350 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	Wear safety glasses when transferring product
SKIN	Wear gloves when transferring product
RESPIRATORY	Normal ventilation is sufficient
HANDS	Wear rubber gloves when transferring product

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical State	Liquid
Color	Clear Pale
Odor	Characteristic
Odor Threshold	Unknown

Important Health, Safety, Environmental Information

pH (50%w/water sol'n)	7.5-8.0
Boiling Point	Above 480 deg. F
Pour Point/Freezing	Freeze Point 19 F
Flash Point	> 350F
Oxidizing Properties	None
Vapor Pressure	0.12 mm Hg @20C
Specific Gravity	1.11 -1.13
Water Solubility	Miscible
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 Will not occur
Hazardous polymerization	When heated to decomposition, may emit toxic fumes
Hazardous decomposition products	

SECTION 11 – TOXICOLOGICAL

Potential Acute Health Effects (ingredient)	LD oral rat = 17000 mg/kg; LD50 dermal rat=9500 mg/kg
triethylene glycol	LD50 oral rat=1755 mg/kg; LD50 dermal rat=11890 mg/kg
tetraethylene 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

DOT Proper Shipping Name:	Triethylene Glycol
Shipping Symbols:	Not Dangerous Goods
Hazard Class:	Not Dangerous Goods
UN Number:	Not regulated
Packing Group:	Not applicable
Label:	Not applicable
Special Provisions (172.102):	Not applicable
Bulk Shipments	
DOT Proper Shipping Name:	Triethylene Glycol, Liquid n.o.s
UN Number:	None
Label Requirement:	None

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=0, Reactivity=0

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

CONSULT Company listed in Section 1. FOR FURTHER INFORMATION.

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