



TRIETHYLENE GLYCOL INDUSTRIAL

SAFETY DATA SHEET

SECTION 1 L PRODUCT AND COMPANY IDENTIFICATION

Product Name: TRIETHYLENE GLYCOL
Product Code: TEG 99
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 |
| Water | 7732-18-5 | 231-791-2 | <0.1 |
| Diethylene Glycol | 111-46-6 | 203-872-2 | < 0.5 |

SECTION 4 – FIRST AID MEASURES

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| 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

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| 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

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| 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

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

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

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|-----------------------------|--------------------------------|
| Preventive Measures | ONLY USE SUPPLIED CONTAINER |
| Engineering Controls | Provide fresh air at all times |

Personal Protection (recommended)

EYES
SKIN
RESPIRATORY
HANDS



Wear safety glasses when transferring product
Wear gloves when transferring product
Normal ventilation is sufficient
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

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| 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) triethylene glycol tetraethylene glycol | LD oral rat = 17000 mg/kg; LD50 dermal rat=9500 mg/kg LD50 oral rat=1755 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

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| Aquatic Toxicity |  May be toxic to aquatic organisms |
|-------------------------|---|

SECTION 13 – DISPOSAL CONSIDERATIONS

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| 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

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|--------------------------------------|----------------------------------|
| 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.

Revised 9/10/2024

