

SAFETY DATA SHEET (SDS)

Recovered Monoethylene Glycol (MEG) - Industrial Grade

SDS No.	VSF-SDS-001
Revision	0
Effective Date	1.1.2026

Prepared in accordance with OSHA Hazard Communication Standard (29 CFR 1910.1200) and the Globally Harmonized System (GHS).

This SDS is based on VisionShark Fuels product analytical data and recognized industry guidance for industrial grade monoethylene glycol.

SECTION 1 - Identification

Product Name: Recovered Monoethylene Glycol (MEG)

Supplier: VisionShark Fuels

Recommended Use: Industrial heat transfer fluids, chemical processing, solvents, antifreeze manufacture and industrial applications.

Restrictions: Not intended for food, pharmaceutical, cosmetic or potable water applications.

Emergency Contact: 337-552-7368

SECTION 2 - Hazard(s) Identification

GHS Classification: Acute Toxicity (Oral) Category 4; Specific Target Organ Toxicity (Repeated Exposure) Category 2.

Signal Word: WARNING

Hazard Statements:

- Harmful if swallowed.
- May cause kidney damage through prolonged or repeated exposure.

Precautions: Avoid ingestion, wear eye protection and chemical-resistant gloves, wash thoroughly after handling.

SECTION 3 - Composition

Component	CAS	Typical Concentration
Ethylene Glycol	107-21-1	98.51 wt%
Diethylene Glycol	111-46-6	1.42 wt%
Water	7732-18-5	0.07 wt%
Trace impurities	-	Below reportable limits

SECTION 4 - First Aid Measures

Eyes: Flush with water for at least 15 minutes.

Skin: Wash with soap and water.

Inhalation: Move to fresh air.

Ingestion: DO NOT induce vomiting. Seek immediate medical attention. Treatment with fomepizole or ethanol is a physician decision for confirmed ethylene glycol poisoning.

SECTION 5 - Fire-Fighting Measures

Suitable Media: Alcohol-resistant foam, dry chemical, CO2, water fog.

Combustion Products: Carbon monoxide, carbon dioxide, aldehydes.

Firefighters should wear self-contained breathing apparatus.

SECTION 6 - Accidental Release Measures

Contain spill, eliminate ignition sources if present, prevent discharge to drains and waterways, absorb with inert material, recover for recycling or disposal.

SECTION 7 - Handling and Storage

Keep containers tightly closed. Use clean dedicated tanks and transfer hoses. Store away from oxidizers. Prevent contamination by verifying cleaned transport equipment before loading.

SECTION 8 - Exposure Controls / PPE

Engineering Controls: General ventilation.

PPE: Safety glasses, nitrile or neoprene gloves, protective clothing and safety footwear.

Emergency eyewash and safety shower should be available.

SECTION 9 - Physical and Chemical Properties

Property	Value
Appearance	Clear to light yellow liquid
Odor	Slight sweet odor
Specific Gravity	1.116
Color	50 APHA
Initial Boiling Point	156.8°C
Final Boiling Point	211°C
Flash Point	Approximately 111°C (Closed Cup)
Water Solubility	Complete

SECTION 10 - Stability and Reactivity

Stable under recommended storage conditions. Avoid strong oxidizers, excessive heat, and contamination.

SECTION 11 - Toxicological Information

Primary route of concern is ingestion. Symptoms may include nausea, vomiting, central nervous system depression and kidney injury. Target organ: kidneys.

SECTION 12 - Ecological Information

Avoid uncontrolled release. Product is water soluble and may increase oxygen demand in aquatic systems if released in large quantities.

SECTION 13 - Disposal Considerations

Recycle whenever practical. Dispose in accordance with federal, state and local regulations.

SECTION 14 - Transport Information

DOT: Generally not regulated when shipped as industrial glycol. Verify current transport requirements before shipment.

SECTION 15 - Regulatory Information

Components are listed on the TSCA inventory. Review applicable OSHA, EPA, SARA and state regulations before use.

SECTION 16 - Other Information

Typical Quality Analysis (COA):

MEG	98.51 wt%
DEG	1.42 wt%
Water	0.07 wt%
Specific Gravity	1.116
Chloride	<0.010 wt%
Ash	<0.11 mg/kg

Revision 0 - Initial Issue.

DISCLAIMER: This document is intended to provide guidance for the safe handling of VisionShark Fuels Recovered Monoethylene Glycol. It is based on available analytical data and industry references. Users remain responsible for determining suitability for their specific application and compliance with all applicable regulations.

Appendix A - Typical Product Specification

Property	Typical Value
Monoethylene Glycol	98.51 wt%
Diethylene Glycol	1.42 wt%
Water	2.13 wt%
Specific Gravity	1.116
Color	50 APHA
Acidity	0.0016 wt%
Chloride	<0.010 wt%
Ash	<0.11 mg/kg
Initial Boiling Point	156.8°C
Dry Point	211°C

Recommended Shipping QA Checklist:

- Verify truck wash certificate
- Verify previous cargo compatibility
- Measure refractive index
- Record batch number
- Verify loading hose cleanliness
- Seal trailer and record seal number
- Attach COA and Bill of Lading