



SAFETY DATA SHEET

REEL EFX OIL-LESS DIFFUSION FLUID

*For use in the REEL EFX DIFFUSION FOGGER (DF-50)

1. IDENTIFICATION

Identification of the substance or preparation: Triethylene Glycol

Use of substance/preparation: All proper and legal purposes. Used to generate theatrical fog.

Recommended restrictions: None

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2. HAZARD(S) IDENTIFICATION

Hazardous in case of eye contact (irritant) or ingestion.

Slightly hazardous in case of excess inhalation.

Inflammation of the eye is characterized by redness, watering, and itching.

3. COMPOSITION / INFORMATION ON INGREDIENTS

100% Triethylene glycol

CAS No. : 112-27-6

EINECS/ELINCS: 203-953-2

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Loosen tight clothing & seek medical attention.

Excessive Inhalation: Allow the person to rest in a well ventilated area. Seek medical attention.

Skin contact: No known effect on skin contact, rinse with water for a few minutes.

Eye contact: Remove any contact lenses and flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention.

Notes to physician: None

5. FIRE-FIGHTING MEASURES

Extinguishing media:

Small Fire: Use DRY Chemical powder, Water fog, CO2.

Large Fire: Use water spray, fog or foam. Do not use water jet.

Product of Combustion: These products are carbon oxides

Flammability of Product: May be combustible at high temperature.

Auto-Ignition Temp: 371 °C (700 °F)

Flash Points: 177 °C (351 °F)

6. ACCIDENTAL RELEASE MEASURES

Small Spill: Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

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7. HANDLING AND STORAGE

Precautions: Keep away from heat and sources of ignition. Do not ingest, avoid contact with eyes.

Storage: Keep container dry and tightly closed. Keep in a cool, ventilated place. Ground all equipment containing material. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection: None expected to be needed, as long as exposure is under the guideline limits (shown below). A certified respirator should be worn if exposed above the guideline limits.

Hand protection / protective gloves: None required, however, the use of gloves is a good industrial practice.

Eye protection: None required; however, use of eye protection is good industrial practice.

Skin protection: None required; however, use of eye protection is good industrial practice..

Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations are available.

EXPOSURE LIMIT VALUES

<u>COMPONENT</u>	<u>COUNTRY</u>	<u>TYPE/REMARK</u>	<u>Value</u>
Triethylene Glycol		TWA	10 mg/ m3

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid **Odor:** Odorless **Odor Threshold:** N/A **PH value:** N/A

Melting/Freezing point: -7°C (-19°F) **Boiling Point/Boiling Range:** 285°C (545°F)

Flash point: 157 °C (315 °F) **Evaporation rate:** Not determined **Flammability class:** Combustible

Flammability limits: lower .09%, upper 9.2% **Vapor pressure :** N/A **Vapor density:** 5.17 (Air=1)

Relative density: Not determined **Solubility in water:** Easily soluble in cold water

Partition coefficient n-octanol/water: Not determined **Auto/Self-ignition temperature:** 346°C (655°F)

Decomposition Temperature: N/A **Kinematic Viscosity:** 28-34 mm²/s at 40°C **Density:** 9.39 lbs/gal

10. STABILITY AND REACTIVITY

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.

Stability: Material stable under normal conditions.

Conditions to avoid: Contact with incompatible materials.

Materials to avoid: Strong oxidizing agents.

Hazardous decomposition products: No hazardous decomposition products are known.

Combustion may produce carbon monoxide and/or carbon dioxide.

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11. TOXICOLOGICAL INFORMATION

Routes of Entry: Eye contact. Ingestion.

Toxic Effects on Humans: Hazardous in case of ingestion. Slightly hazardous in case of excess inhalation.

12. ECOLOGICAL INFORMATION

Ecotoxicity: The product is not classified as environmentally hazardous.

Persistence & degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No other adverse environmental effects.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with applicable federal, state, or local regulations.

14. TRANSPORT INFORMATION

DOT: Not a DOT controlled material (United States).

15. REGULATORY INFORMATION

OSHA Regulations: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC): R41-Risk of damage to eyes.

HMIS (USA): Health Hazard: 1 **Fire Hazard:** 1 **Reactivity:** 0 **Personal Protection:** j

NFPA ratings (USA): **Health:** 1 **Flammability:** 1 **Reactivity:** 0

16. OTHER INFORMATION

Date of last revision: 08/01/2017

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