



**SAFETY DATA SHEET**

**SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION**

**Product Name** : ROSCO FOG FLUID & ROSCO SMOKE SIMULATION FLUID  
**Product Use** : Fog fluid  
**Chemical Family** : Aqueous glycol solution

**Supplier's name and address** : **Rosco Laboratories Inc.**  
 52 Harbor View Avenue  
 Stamford, CT, United States  
 06902

**24 Hr. Emergency Tel #** : (800) 424-9300 Chemtrec U.S.  
 (703) 527-3887 Chemtrec Outside U.S.

**HMIS Rating** : \* - Chronic Hazard 0 – Minimal 1 – Slight 2 – Moderate 3 – Serious 4 – Severe  
 Health: 1 Flammability: 0 Reactivity: 0

**WHMIS Classes:**



Unregulated

**SECTION 2 – HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

Green liquid. Faint odor. No special hazards exist with this product. As with any chemical substance, caution and care will prevent unnecessary accidents and safety problems. Read instructions on label before use. **HEALTH CAUTION:** Fog from this fluid, like any other common material in an aerosolized state, may be irritating to or cause allergic symptoms in some persons with allergenic sensitivity. Persons with active asthma should limit their exposure to the fog.

**\*\*\*POTENTIAL HEALTH EFFECTS\*\*\***

**Target organs** : None reported by the manufacturer.  
**Routes of exposure** : *Inhalation:* YES *Skin Absorption:* NO *Skin & Eyes:* YES *Ingestion:* YES  
**Potential acute health effects** :  
*Eyes:* May cause mild transient irritation.  
*Skin:* May cause irritation.  
*Inhalation:* Can cause irritation of the respiratory tract. Persons suffering from asthma or reactive airway disorders may experience asthma-like effects from exposure to this material.  
*Ingestion:* Not an expected route of entry. Ingestion of large amounts may cause nausea, vomiting, diarrhea, as well as depression of the central nervous system.  
**Potential chronic health effects** : None reported by the manufacturer.  
**Medical conditions aggravated by overexposure** : Pre-existing skin and respiratory disorders.  
**Addition health hazards** : None reported by the manufacturer.  
**Potential environmental effects** : None reported by the manufacturer.



**SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients	CAS #	% (weight)	ACGIH TLV		OSHA PEL	
			TWA	STEL	PEL	STEL
Triethylene glycol	112-27-6	N/Av	N/Av	N/Av	N/Av	N/Av
1,3-Butylene glycol	107-88-0	N/Av	N/Av	N/Av	N/Av	N/Av
Propylene glycol	57-55-6	N/Av	10 mg/m3	N/Av	50 ppm(total) ; 10 mg/m3 (aerosol)	N/Av
Deionized water	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av

\* Note: The ACGIH TLV listed above for the following ingredient(s) is an AIHA WEEL: Propylene glycol.

**SECTION 4 – FIRST AID MEASURES**

- Inhalation : Inhalation problems are not anticipated. Remove exposed person to fresh air if adverse effects, such as breathing difficulty arise. If irritation persists, seek prompt medical attention.
- Skin contact : Flush skin with large amounts of water. Wash affected areas with soap and water. Remove and wash contaminated clothing before re-use. Obtain medical attention if symptoms develop and persist.
- Eye contact : If in eyes, rinse with water for 15 minutes. Lift upper and lower lids during flushing to ensure complete removal of chemical. If irritation persists, seek prompt medical attention.
- Ingestion : Ingestion of large amounts may be harmful. Keep at rest. Seek immediate medical attention/advice.
- Notes for physician : Low degree of toxicity. Treat symptomatically.

**SECTION 5 – FIRE FIGHTING MEASURES**

- Fire hazards/conditions of flammability : Not flammable under normal conditions of handling.
- Flammability classification (OSHA 29 CFR 1910. 1200) : Not flammable.
- Flash point : Not available.
- Flash point Method : Not available. Auto-ignition temperature : Not available.
- Lower flammable limit (% by vol.) : Not available. Upper flammable limit (% by vol.) : Not available.
- Suitable extinguishing media : Extinguishing media - large fires: Non-flammable aqueous liquid, all-purpose foam. Extinguishing media - small fires: Carbon dioxide (CO2), Dry chemical.
- Explosion data: Sensitivity to mechanical impact / static discharge : Not expected to be sensitive to mechanical impact or static discharge.
- Special fire-fighting procedures/equipment : None reported by the manufacturer.
- Hazardous combustion products : Oxides of carbon.
- Oxidizing properties : None known or reported by the manufacturer.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

- Personal precautions : Wear suitable protective clothing (see Section 8).
- Environmental precautions : No special environmental precautions required.
- Spill response/cleanup : Evacuate personnel to safe areas. Restrict access to area until completion of clean-up. Recover free liquid or cover with inert absorbent material and place into appropriate container for disposal. Dispose in accordance with all applicable federal, state, provincial



and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

Containment : Recover free liquid or cover with inert absorbent material and place into appropriate container for disposal. Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal agency for specific rules.

**SECTION 7 – HANDLING AND STORAGE**

Safe Handling procedures : Do not ingest. Do not inhale aerosol. Avoid contact with skin and eyes. Keep containers tightly closed when not in use. Use with adequate ventilation. Avoid breathing vapors.

Storage requirements : Store in a cool, dry, well-ventilated area. Inspect periodically for damage or leaks. Do not store near any incompatible materials (see Section 10). Do not freeze. Keep container tightly closed when not in use.

Incompatible materials : Strong oxidizing agents and acids.

Special packaging materials : Liquid-proof glass, plastic or non-corrodible metal containers are recommended.

**SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Ventilation and engineering measures : General mechanical ventilation is sufficient for use with this product.

Respiratory protection : None required under normal conditions.

Skin protection : None required under normal conditions. Gloves of natural rubber or polyvinyl chloride-coated gloves are recommended.

Eye / face protection : None required under normal conditions. If splashing might occur, wear eye protection such as safety glasses with side shields.

Other protective equipment : Emergency showers and eyewash facilities should be nearby.

General hygiene considerations : Wash hands immediately after handling the product, before breaks and at the end of the workday.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	: Liquid	Appearance	: Green Liquid.
Odor	: Faint odor.	Odor threshold	: Not available.
pH	: 7.0 (approximately)		
Boiling point	: 100-243 °C	Specific gravity	: 1.12 (approximately)
Melting/Freezing point	: Not available	Coefficient of water/oil distribution	: Not available.
Vapor pressure (mmHg @20°C/ 68°F)	: 8.4 (approximately)	Solubility in water	: soluble
Vapor density (Air = 1)	: 2.9	Evaporation rate (n-Butyl acetate = 1)	: 0.01
Volatile organic Compounds (VOC's) (lbs/gal: g/l)	: Not available.	Volatiles (% by weight)	: Not available.
Viscosity	: Not available.		
Special Remarks On Fire Hazards	: Not flammable under normal conditions of use.		

**SECTION 10 – REACTIVITY AND STABILITY DATA**

Stability and reactivity : Stable under normal conditions.

Hazardous polymerization : Will not occur.

Conditions to avoid : Combination with strong oxidizers and/or acids may cause explosive decomposition.

Materials to Avoid and Incompatibility : Strong oxidizing agents and acids.

Hazardous decomposition products : None.



**SECTION 11 – TOXICOLOGICAL INFORMATION**

Ingredients	LC <sub>50</sub> (4hr) inh. rat	LD <sub>50</sub>	
		oral	dermal
Triethylene glycol	N/Av	12,800 mg/kg (rat)	22,460 mg/kg (rabbit)
1,3-Butylene glycol	N/Av	18610 mg/kg (rat)	> 20000 mg/kg (rabbit)
Propylene glycol	N/Av	20,000 mg/kg (rat)	20,800 mg/kg (rabbit)
Deionized water	N/Av	>90 mL/kg (rat)	N/Av

- Toxicological data : Low order of toxicity for normal industrial handling.
- Carcinogenic status : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.
- Reproductive effects : Not expected to have other reproductive effects.
- Teratogenicity : Not expected to be a teratogen.
- Mutagenicity : Not expected to be mutagenic in humans.
- Reproductive effects : Not expected to have other reproductive effects.
- Irritancy : Direct contact may cause mild eye irritation. Possible inhalation irritant. Irritating to skin.
- Sensitization to material : Not expected to be a sensitizer.
- Synergistic materials : None reported by the manufacturer.

**SECTION 12 – ECOLOGICAL INFORMATION**

- Environmental effects : None known or reported by the manufacturer. However, it is recommended not to allow the material to enter the environment.
- Important environmental characteristics : None known or reported by the manufacturer.
- Ecotoxicological : No data is available on the product itself.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

- Handling for Disposal : See Section 7 (Handling and Storage) section for further details.
- Methods of Disposal : Contact waste disposal services. Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

**SECTION 14 – TRANSPORTATION INFORMATION**

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
TDG	None	Not regulated.	Not regulated	-None-	
TDG Additional information	None.				
49CFR/DOT	None	Not regulated.	Not regulated	-None-	
49CFR/DOT Additional information	None.				



ICAO/IATA	None	Not regulated.	Not regulated	-None-	
ICAO/IATA Additional information	None.				
IMDG	None	Not regulated.	Not regulated	-None-	
IMDG Additional information	None.				

**SECTION 15 – REGULATORY INFORMATION**

US Federal Information:

TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.

SARA Section 313: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical Constituents above de minimus concentrations.

US State Right to Know Laws:

California Proposition 65: To the best of our knowledge, this product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

Canadian Regulations:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

Canadian WHMIS Classification: Class D2B (Materials Causing Other Toxic Effects, Toxic Material)

This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

**SECTION 16 – OTHER INFORMATION**

Legend : ACGIH: American Conference of Governmental Industrial Hygienists  
 IARC: International Agency for Research on Cancer  
 N/Ap: not applicable  
 N/Av: not available  
 NIOSH: National Institute of Occupational Safety and Health  
 NTP: National Toxicology Program  
 OSHA: Occupational Safety and Health Administration

References : Information obtained from sources including original supplier’s Safety Data Sheet, and reference including RTECS and CCOHS Cheminfo.



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SDS No.: ROS002

SDS Preparation Date: October 1, 2016

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