

**MATERIAL SAFETY DATA SHEET**  
**ROSCO FOG FLUID**

**I. PRODUCT IDENTIFICATION**

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**Manufacturer's Name:** ROSCO LABORATORIES, INC.

**Regular Telephone No:** (203) 708-8900 Eastern Time  
(323) 462-2233 Pacific Time

Emergency No: (800) 424-9300

**Address:** 52 Harbor View Avenue, Stamford, CT 06902, USA

**Product Name:** ROSCO FOG FLUID and  
ROSCO SMOKE SIMULATION FLUID

**Synonyms:**

**II. INGREDIENTS**

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<b>Material or Component:</b>	<b>CAS</b>
Triethylene Glycol	112-27-6
Propylene Glycol	57-55-6
1,3 Butylene Glycol	107-88-0
De-ionized Water	

**Occupational exposure limits (PELs or TLVs) have not been established for any of the components of this products.**

**III. PHYSICAL DATA**

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<b>Boiling Point:</b> 212-470 °F	<b>Melting Point:</b> Not Determined
<b>Specific Gravity (water = 1):</b> approx. 1.12	<b>Vapor Pressure:</b> approx. 8.4 mmHg
<b>Vapor Density (air = 1):</b> 2.9	<b>Solubility:</b> Soluble in water
<b>% Volatiles by Vol.:</b> 65.6%	<b>Evaporation Rate (N = 1):</b> 0.01

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(N= butyl acetate)

**III. PHYSICAL DATA (Cont'd)**

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**Molecular Weight:** 18-150 (Range)

**Molecular Composition:** NA

**Freezing Point:** Not Determined

**pH:** approx. 7.0

**Appearance & Odor:** Green liquid, faint odor

**IV. FIRE FIGHTING MEASURES**

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**Flash Point:** No flash point by Cleveland Open Cup or Penskey-Martin Closed Cup

**Autoignition Temp.:** Not Determined

**Flammable Limits in Air % by Vol.:** Not Determined

**Extinguishing Media:** Non-flammable aqueous liquid, all purpose foam (large fires), CO<sub>2</sub> or dry chemical (small fires)

**Special Fire Fighting Procedures:** None

**Unusual Fire and Explosion Hazard:** Product does not support combustion

**V. HEALTH HAZARD INFORMATION**

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**Routes of Exposure:** Inhalation, ingestion or dermal/eye contact

**Effects of Over-exposure**

**Ingestion:** This product is not an ingestion hazard when used under normal conditions. If accidentally ingested, can cause vomiting, nausea and diarrhea.

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**Inhalation:** This product is not an inhalation hazard, however, transient irritation may occur from exposure to high prolonged vapor or aerosol concentrations. Persons with asthma or reactive airway disorders (employees or spectators) should be warned that they may experience asthma-like effects from exposure to this or any aerosolized material.

**V. HEALTH HAZARD INFORMATION (Cont'd)**

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**Skin contact:** Direct skin contact with liquid should not result in irritation or dermatitis.

**Eye contact:** Direct eye contact with liquid may cause transient mild reversible irritation.

**Chronic:** No chronic adverse health effects have been reported.

**Emergency and First Aid Procedures**

**Eyes:** If concentrated liquid contacts eyes, flush eyes with large amounts of water until material is removed from eyes. If irritation persists seek medical attention.

**Skin:** If concentrated liquid contacts skin, flush with water and wash with soap to remove residues. Remove contaminated clothing and wash before reuse. If skin irritation develops and persists, seek appropriate medical attention.

**Inhalation:** This product is not an inhalation hazard, however if irritation occurs from exposure to high vapor or aerosol concentrations from heated solutions, remove individual to fresh air.

**Ingestion:** Effects of large oral doses could include mild headaches, dizziness, nausea, vomiting, diarrhea and thirst. If large amounts are ingested, keep at rest and get prompt medical attention.

**VI. REACTIVITY DATA**

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**Conditions Contributing to Instability:** None

**Incompatibility:** If combined with strong oxidizers and/or acids, explosive

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decomposition may occur.

**Hazardous Decomposition Products:** None

**Conditions Contributing to Hazardous Polymerization:** None

**VII. SPILL OR LEAK PROCEDURES**

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**Steps to be taken if Material is Released or Spilled**

**Small Spills:** Can be flushed into sewer if permitted by local, state and federal regulations.

**Large Spills:** Restrict area to personnel need to contain and cleanup spill. Soak up with absorbent material and dispose of according to local, state or federal regulations

**Neutralizing Chemicals:** not applicable

**Waste Disposal Method:** Contact commercial chemical waste company to dispose of waste in accordance with federal, state, and local regulations.

**VIII. SPECIAL PROTECTION INFORMATION**

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**Ventilation Requirements:** General ventilation should be satisfactory under normal use conditions.

**Specific Personal Protective Equipment**

**Respiratory:** None required under normal use conditions.

**Eye:** No specific controls are required during normal use, however safety glasses can be used to prevent eye contact with concentrated liquid when handling.

**Skin:** No specific controls or personal protective equipment required when used under normal conditions. If gloves are required, natural rubber or polyvinyl chloride-coated gloves are recommended.

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**IX. SPECIAL PRECAUTIONS**

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**Precautionary Statements:** None

**Other Handling and Storage Requirements:** None

**X. REGULATORY INFORMATION**

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**Clean Air Act:** This material does not contain any hazardous air pollutants, Class I or II ozone depleters.

**Clean Water Act:** This material does not contain any chemicals listed as a hazardous substance, priority pollutant, or toxic pollutant under the Clean Water Act.

**SARA:** This material does not contain any materials that have a Reportable Quantity (RQ, Section 302) or is reportable under Section 313 of SARA.

**RCRA:** Not listed as a material banned from land disposal.

**International Regulations:** This material does not contain any material that is on the Canadian DSL/NDSL list. None of the ingredients in this material is on the Canadian Ingredient Disclosure List.

**California Proposition 65:** None of the constituents of this material is listed as having a significant risk level.

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