



This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended.

Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.


U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

Section I: Product and Company Identification

| | |
|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| IDENTITY (<i>As Used on Label and List</i>) Rosco Smoke Simulation Fluid | UFI: N/A |
| Manufactured for Rosco Laboratories Inc | 24-hour Emergency Telephone Contact Number CHEMTREC Domestic North America: 800-424-9300 |
| Address (<i>Number, Street, City, State, and ZIP Code</i>) 52 Harbor View Avenue, Stamford, CT 06902 | Telephone Number for Information (203) 708 8900 |
| Date Prepared March, 2023 | Date Updated: N/A |

Section II: Hazard(s) Identification

| Hazardous Components (Specific Chemical Identity; Common Name(s)) |  | OSHA PEL | ACGIH TLV | Other Limits Recommended |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------|------------------|---------------------------------|
| No hazardous ingredients | | | | |
| Routes of Exposure: Eye contact, Skin Contact, Ingestion, Inhalation | | | | |
| HMIS Rating: Health – 1, Flammability – 0, Reactivity – 0 | | | | |
| Health Hazards (<i>Acute and Chronic</i>) H316: Causes mild skin irritation H320: Causes eye irritation H35: May cause respiratory irritation. Ingestion is not an expect route of entry. | | | | |
| Precautionary Statements P302+352: IF ON SKIN: Wash with plenty of water/... P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. | | | | |



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Section II: Hazard(s) Identification (continued)

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| Signs and Symptoms of Exposure None known |
| Medical Conditions Generally Aggravated by Exposure Pre-existing skin and respiratory disorders |

Section III – Composition / Information on Ingredients

| No reportable Hazardous Substance(s) or Complex Substance(s). | | | | | | |
|------------------------------------------------------------------------------------------------------|--------------|-------------------|------------------|-------------|----------------------------------------|-------------|
| <u>Ingredients</u> | <u>CAS #</u> | <u>% (weight)</u> | <u>ACGIH TLV</u> | | <u>OSHA PEL</u> | |
| | | | <u>TWA</u> | <u>STEL</u> | <u>PEL</u> | <u>STEL</u> |
| 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 IV: First Aid Measures

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| <p>Eyes: Flush eyes with water for at least 15 minutes. If irritation persists, seek medical assistance</p> <p>Skin: Wash contact areas with soap and water. Take off contaminated clothing. Seek medical attention if irritation persists.</p> <p>Inhalation: Inhalation problems are not anticipated. Move victim to fresh air. If symptoms persist, get medical attention.</p> <p>Ingestion: Do NOT induce vomiting. Seek medical attention.</p> <p>Note for physicians: Low degree of toxicity. Treat symptomatically</p> |
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Section V: Fire – Fighting Measures

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|-----------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------|-------------------|
| Flash Point (Method Used) Not Flammable | Flammable Limits N/A | LEL N/A | UEL N/A |
| Extinguishing Media Use water spray, alcohol foam, CO ₂ or dry chemical powder. | | | |
| Special Fire Fighting Procedures Wear self-contained breathing apparatus and full protective clothing | | | |
| Unusual Fire and Explosion Hazards None | | | |

Section VI: Accidental Release Measures

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| Personal Precautions: Isolate area. Keep unnecessary personnel away. |
| Environmental precautions: Prevent entry into waterways, sewers, basements or confined areas. |
| Method for Containment: Prevent further leakage or spillage if safe to do so. |
| Method for Clean Up: Small spills: Use a non-combustible material to soak up the product and place into well labelled container for later disposal. Large Spills: Dike area to contain spill |

Section VII: Handling and Storage

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| Handling Avoid contact with skin and eyes. Wash hands thoroughly after handling. |
| Storing Store in a cool place. Keep in a well-ventilated place. Do not handle or store near incompatible materials (Section X). Inspect periodically for damage or leaks. Keep containers tightly closed when not in use. |



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Section VIII: Exposure Controls/Personal Protection

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| Respiratory Protection (<i>Specify Type</i>) None required under normal conditions. If TLV is exceeded, appropriate NIOSH/MSHA respiratory protection must be provided. | | |
| Ventilation General | Local Exhaust If misted or used in confined space | Special |
| | Mechanical (<i>General</i>) | Other |
| Protective Gloves None required under normal conditions. Natural Rubber gloves are recommended. | | Eye Protection None required under normal conditions. If splashing might occur, use safety glasses |
| Other Protective Clothing or Equipment Emergency showers and eyewash facilities. | | |
| Work/Hygienic Practices: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking | | |

Section IX: Physical and Chemical Properties

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| Boiling Point | > 100°C | Specific Gravity (H₂O = 1) | 1.055 – 1.075 |
| Vapor Pressure (mm Hg.) | N/A | pH | 4.0 – 8.0 |
| Vapor Density (AIR = 1) | N/A | Evaporation Rate (Butyl Acetate = 1) | N/A |
| Solubility in Water: Complete | | | |
| Physical State: Liquid | | | |
| Appearance: Green, Transparent | | | |
| Odor: Faint odor | | | |



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Section X: Stability and Reactivity

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| Stability: | Stable under normal conditions | Hazardous Polymerization: | Will Not Occur |
| Incompatibility (Materials to Avoid): Strong oxidizers and/or acids | | | |
| Conditions to Avoid: Stable under normal conditions | | | |
| Possibility of Hazardous Reactions: Will not occur | | | |
| Hazardous Decomposition Products: Carbon monoxide, Carbon Dioxide | | | |

Section XI: Toxicological Information

| <u>Ingredients</u> | LC50(4hr) inh, rat | LD50 | |
|-----------------------|-----------------------|--------------------|-------------------------|
| | | <u>oral</u> | <u>dermal</u> |
| Triethylene glycol | N/Av | 12,800 mg/kg (rat) | 22,460 mg/kg (rabbit) |
| 1,3 – Butylene Glycol | N/Av | 18,610 mg/kg (rat) | > 20,000 mg/kg (rabbit) |
| Propylene glycol | N/Av | 20,000 mg/kg (rat) | 20,800 mg/kg (rabbit) |
| Deionized water | N/Av | N/Av | 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. May cause mild skin irritation.
 Sensitization to material: Not expected to be a sensitizer.



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Section XII: Ecological Information

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| Toxicity: Not available |
| Biodegradability: Expected to be ultimately biodegradable |
| Bio-accumulative potential: Not available |
| Endocrine disrupting properties: Not available |
| Other Adverse Effects: Not expected to be harmful to aquatic organisms |

Section XIII: Disposal Considerations

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| Disposal Recommendations: Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations. |
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Section XIV: Transportation

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| Land (DOT): Not regulated for Land Transport |
| Land (TDG): Not regulated for Land Transport |
| Sea (IMDG): Not regulated for Sea Transport according to IMDG-Code |
| Air (IATA): Not regulated for Air Transport |
| Maritime transport in Bulk according to IMO Instruments: Not applicable |

Section XV: Regulatory Information

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| OSHA Hazard Communication Standard: When used for its intended purposes, this material is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200. |
| EPCRA: This material contains no extremely hazardous substances. |
| SARA (311/312) Reportable Hazard Categories: None |
| SARA (313) Toxic Release Inventory: This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program. |
| The Following Ingredients are Cited on the Lists Below: None |



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Section XVI: Other Information

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| Other Special Considerations: |
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| None |
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Disclaimer: This information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.