



Special Effects Equipment & Supplies

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For Chemical Emergency call Infotrac @ 1-800-535-5053

Material Safety Data Sheet

Section 1 - Product Identification

Product Name: Fog Fluid (Water Based)

Chemical Name: Polyethylene Glycol

Section 2 - Ingredients

<u>Chemical Name</u>	<u>CAS#</u>	<u>Percentage</u>
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Polyethylene Glycol	025322-68-3	99%
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Exposure Limits	Permissible Exposure Limit:	10 mg/m ³
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Ceiling Limits:	N/A
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Short Term Exposure Limit:	N/A
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Skin Hazard?	Low
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Section 3 - Physical/Chemical Characteristics

Boiling Point	370-570F	Solubility in Water	100%
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Vapor Pressure (mm Hg)	Low	Specific Gravity (H ₂ O = 1)	1.1
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Vapor Density (Air = 1)	N/A	Melting Point	N/A
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Appearance and Odor / Odor threshold	Clear, colorless liquid. Mild, characteristic odor.		
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Evaporation Rate (Butyl Acetate = 1)	N/A	PH	7
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Freezing Point	N/A
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Section 4 - Fire and Explosion Data

Lower Explosive/Flammability Limit	N/D	Flash Point	340F
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Upper Explosive/Flammability Limit	N/D	Autoignition Temperature	N/A
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Extinguishing Media	Water fog, alcohol foam, dry chemical.
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Fire Fighting Measures	Wear positive-pressure, self-contained breathing apparatus.
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Fire or Explosion Hazards	None
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Section 5 - Reactivity Data

Chemical Stability	Stable; product degrades slowly when stored at elevated temperatures in presence of air.
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Incompatibility	Oxidizing material.
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Hazardous Decomposition or Byproducts	None
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Hazardous Polymerization	Will not occur.
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Section 6 - Health Hazard Data

Routes of Entry	Eye, Skin, ingestion, or inhalation.	
Health Hazards	Eye: May cause slight temporary eye irritation.	
	Skin Contact: Prolonged or repeated exposure not likely to cause significant skin irritation. May cause more severe response if skin is abraded (scratched or cut.)	
	Skin Absorption: A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts. There is some indication that prolonged or repeated exposure of damaged skin, as in burn wounds, to polyethylene glycol may result in absorption of toxic amounts.	
	Ingestion: Single dose oral toxicity is low. No hazards anticipated from ingestion incidental to industrial exposure.	
	Inhalation: Vapors are unlikely due to physical properties.	
	Carcinogenicity	No
	Signs and Symptoms of Exposure	See Health Hazards
Medical conditions generally aggravated by exposure	Based on available data, repeated exposures are not anticipated to cause any significant adverse effects. Findings of kidney failure and death in burn patients, as well as some studies using animal burn models, suggest that polyethylene glycol may have been a factor. The use of topical applications containing PEG may not be appropriate in severely burned patients or individuals with impaired renal function.	
Emergency and First Aid Procedures	Eyes: Irrigate immediately with water for at least 5 mins.	
	Skin: Wash off in flowing water or shower.	
	Inhalation: No adverse effects anticipated by this route of exposure incidental to proper industrial handling.	
	Ingestion: No adverse effects anticipated by this route of exposure incidental to proper industrial handling.	

Section 7 - Precautions for Safe Handling and Use

Spill or Release Data	Should not be left of floor - makes it slippery. Scoop into drums. Soak up with absorbent material
Waste Disposal Method	Salvage or burn in an approved incinerator in accordance with all federal, state, and local requirements.
Handling and Storage	Store in a cool, dry place.
Other Precautions	Observe reasonable care and cleanliness.

Section 8 - Control Measures

Respiratory Protection	No respiratory protection should be needed.
Protective Gloves	Not required
Eye Protection	Safety glasses
Other Protective Equip.	Clean body-covering clothing.
Ventilation	Good general ventilation should be sufficient for most conditions.
Work/Hygienic Practices	Observe reasonable care and cleanliness.

To the best of our knowledge, the information contained above is accurate. However, neither the above named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained above.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described above, we cannot guarantee that these are the only hazards that exist.

Prepared: October 2006