

Material 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



IDENTITY (As Used on Label and List)
DF05 (06) Unique Haze Fluid

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the spaces must be marked to indicate that.

Section I

Manufacturer's Name Theatre Effects	Emergency Telephone Number 513-772-7646
Address (Number, Street, City, State, and ZIP Code) 11707 Chesterdale Road Cincinnati, OH 45246	Telephone Number for Information 513-772-7646
U.S.A.	Date Prepared 8/01/04
	Signature of Preparer (optional)

Section II -- Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Triethylene Glycol	None Listed	None Listed	None Listed	

For exposure limits, see ANSI 1.5-2009 available free at www.esta.org/tsp/

Section III -- Physical/Chemical Characteristics

Boiling Point >100°C	Specific Gravity (H ₂ O = 1) 1.125
Vapor Pressure (mm Hg.) < .00 mm Hg @ 2	Melting Point -4°C
Vapor Density (AIR = 1) 5.17	Evaporation Rate (Butyl Acetate = 1) < 0.001
Solubility in Water Miscible	
Appearance and Odor Colorless liquid with nearly no odor.	

Section IV -- Fire and Explosion Hazard Data

Flash point (Method used) 177°C	Flammable Limits LEL 0.9 vol% UEL 9.2 vol%
Extinguishing Media Water spray, alcohol foam, CO ₂ or dry chemical.	
Special Fire Fighting Procedures Wear full protective clothing and NIOSH/MSHA or other approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.	
Unusual Fire and Explosion Hazards May react violently with oxidizing agents. Avoid heat, sources of ignition and open flames. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas.	

Section V -- REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Incompatible materials
	Stable	X		

Incompatibility (*Materials to Avoid*) Strong oxidizing agents, sulfuric acid, isocyanates, perchloric acid.

Hazardous Decomposition or Byproducts Carbon monoxide, carbon dioxide.

Hazardous Polymerization	May Occur		Conditions to Avoid	N/A
	Will Not Occur	X		

Section VI -- Health Hazard Data

Route(s) of Entry: Inhalation? Yes Skin? No Ingestion? No

Health Hazards (*Acute and Chronic*) Irritant, corrosive to skin and eyes.

Carcinogenicity: No NTP? N/A ARC Monographs? N/A OSHA Regulated? N/A

Signs and Symptoms of Exposure Ingestion may cause severe internal irritation and damage, nausea, headache, vomiting and and central nervous system damage. Toxicity: Oral 17000mg/kg of body weight.

Medical Conditions Generally Aggravated by Exposure N/A

Emergency and First Aid Procedures Skin: Wash with soap and water. Eyes: Flush with liberal amounts of water. Ingestion: Consult a physician immediately. Inhalation: Remove to fresh air; if a problem persists, seek medical attention. Notes to physician: There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

Section VII -- Precautions for Safe Handling and Use

Steps to Be taken in Case Material is Released or Spilled Small spills should be flushed with large quantities of water. Larger spills should be collected in an appropriate container or absorbed with an inert material (e.g., vermiculite, dry sand, earth), and placed in a chemical waste container. Do not use combustible materials such as saw dust. Do not flush to sewer!

Waste Disposal Method Dispose of container in accordance with federal, state and local requirements.

Precautions to be Taken in Handling and Storing Keep in a tightly closed container, stored in a cool, dry ventilated area. Protect against physical damage. Isolate from heat, ignition sources and oxidizing agents. Protect from freezing. Containers of this material may be hazardous when empty since they retain product residues. Observe all warnings and precautions listed for this product.

Other Precautions Hot organic chemical vapors/mists are susceptible to sudden spontaneous combustion when mixed with air.

Section VIII -- Control Measures

Respiratory Protection (<i>Specify Type</i>)	None required	Special	N/A
Ventilation	Local Exhaust	None required	Other
	Mechanical (<i>General</i>)	N/A	N/A
Protective Gloves	Rubber or plastic	Eye Protection	Chemical safety goggles or face shield.
Other Protective Clothing or Equipment	Wear clean body-covering clothing. Maintain eye wash fountain and quick-drench facilities.		
Work/Hygienic Practices	Wash thoroughly after handling.		