



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: Glycerine			
Chemical Name: Glycerine			
Section 2 - Hazardous Ingredients			
Chemical Name	CAS#	Percentage	
Glycerine	000056-81-5	99.7%	
Exposure Limits	Permissible Exposure Limit:	10 mg/m3 total, 5mg/m3 respirable	
	Ceiling Limits:	N/A	
	Short Term Exposure Limit:	N/A	
	Can be absorbed through skin?:	Not under normal conditions	
Section 3 - Physical/Chemical Characteristics			
Boiling Point	554F	Solubility in Water	Miscible
Vapor Pressure (mm Hg)	<1.0	Specific Gravity (H2O = 1)	1.2607
Vapor Density (Air = 1)	3.1	Melting Point	N/A
Appearance and Odor / Odor threshold	Odorless, water white liquid.		
Evaporation Rate (Butyl Acetate = 1)	N/A	PH	N/A
Freezing Point	64F		
Section 4 - Fire and Explosion Data			
Lower Explosive/Flammability Limit	N/D	Flash Point	390F
Upper Explosive/Flammability Limit	N/D	Autoignition Temperature	698F
Hazardous Combustion Products	During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds. Hazardous combustion products may include and are not limited to: Aldehydes, carbon monoxide, carbon dioxide.		
Other Flammability Info.	Violent steam generation or eruption may occur upon application of direct water stream.		
Extinguishing Media	Water fog or fine spray, carbon dioxide, dry chemical, foam. Alcohol resistant foams (ATC type) or protein foams may function, but much less effectively. Do not use direct water streams. Will spread fire.		
Media to be Avoided	Do not use direct water stream.		
Fire Fighting Measures	Keep people away. Isolate fire area and deny unnecessary entry. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage. Burning liquids may be extinguished by dilution with water. Do not use direct water stream. May spread fire.		
Protective Equip. for Fire Fighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, pants, boots and gloves. If protective equipment is not available or not used, fight fire from a protected location or safe distance.		
Fire or Explosion Hazards	N/A		

Section 5 - Reactivity Data	
Chemical Stability	Stable
Incompatibility	Oxidizing material
Hazardous Decomposition or Byproducts	Acrolein
Hazardous Polymerization	Will not occur.

Section 6 - Health Hazard Data	
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Routes of Entry	Eyes, Skin, Ingestion, Inhalation.
Health Hazards	No significant hazards for emergency response are known.
Carcinogenicity	Did not cause cancer in long-term animal studies.

Signs and Symptoms of Exposure	<u>Eyes:</u> May cause light transient (temporary) eye irritation. Corneal injury is unlikely.
	<u>Skin:</u> Prolonged or repeated exposure not likely to cause significant skin irritaiton. A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts. May be absorbed in potentially harmul amounts when applied in large quantities to severe burns (second or third degree) over large areas of the body as part of a cream or other topical application. Absorption under such circumstances can elevate serum osomolality and may result in osomotic shock.
	<u>Ingestion:</u> Single dose oral toxicity is considered to be extremely low. Small amounts swallowed incidental to normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury. Signs and symptoms of excessive exposure may be central nervous system effects and increased blood sugar levels.
	<u>Inhalation:</u> At room temperature, vapors are minimal due to physical properties. If heated or sprayed as an aerosol, airborne material may cause upper respiratory irritation.
	<u>Systemic (Other target organ) effects:</u> Repeated excessive exposures may cause increased fat levels in blood. Observations in animals include kidney, liver, and gastrointestinal effects with very large oral doses.

Medical conditions generally aggravated by exposure	N/A
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Emergency and First Aid Procedures	Eyes: Flush with plenty of water
	Skin: Wash off in flowing water or shower.
	Ingestion: If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.
	Inhalation: Remove to fresh air if effects occur. Consult a physician.

Section 7 - Precautions for Safe Handling and Use

Spill or Release Data	Keep unnecessary people away; isolate hazard area and deny unnecessary entry. Keep out of sewers, storm drains, surface water and soil.	
	<i>Small Spills:</i> Cover with absorbent material, soak up and sweep into a drum.	
	<i>Large Spills:</i> Dike around spill and pump into suitable containers.	
	DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.	
Waste Disposal Method	For unused and uncontaminated product, the preferred options include sending to a licensed, permitted: recycler, reclaimer, incinerator or other thermal destruction device.	
	Handling and Storage	Practice reasonable care and caution. Glycerine freezes at 64F and should be kept above 64F but below 125F.
		Other Precautions

Section 8 - Control Measures

Respiratory Protection	For most conditions, no respiratory protection should be needed; however, if material is heated or sprayed, use an approved air-purifying respirator.
	Protective Gloves
Eye Protection	Safety goggles.
Other Protective Equip.	Clean body-covering clothing.
Ventilation	Provide general and/or local exhaust ventilation to control airborne levles belwo the exposure guidelines.
	Work/Hygienic Practices

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