

Material Safety Data Sheet

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Section 1 Identification

Product Number:	C1794	Health:	1
Product Name:	Glycerin (Glycerol) Reagent A.C.S.	Flammability:	0
Trade/Chemical Synonyms:		Reactivity:	0
Formula:	C ₃ H ₈ O ₃	Hazard Rating:	
RTECS:	MA8050000	Least Slight Moderate High Extreme	0 1 2 3 4
C.A.S:	CAS# 56-81-5	NA = Not Applicable NE = Not Established	

Section 2 Component Mixture

Sara 313	Component	CAS Number	%	Dim	Exposure Limits:
<input type="checkbox"/>	Glycerin (Glycerol)	CAS# 56-81-5	>99.5	V/V	OSHA TWA 10 mg/mf (total dust)

Section 3 Hazard Identification (Also see section 11)

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

Section 4 First Aid Measures

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid.
INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but it is not necessary to induce. Never give anything by mouth to an unconscious person.

Section 5 Fire Fighting Measures

Fire Extinguisher Type:	Carbon Dioxide, dry chemical powder or appropriate foam
Fire/Explosion Hazards:	Slight Flammability. Material must be heated before ignition will occur.
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

Section 6 Accidental Release Measures

Absorb spill with inert material, then place in a chemical waste container. Dispose of in a manner consistent with federal, local law.

Section 7 Handling and Storage

Store in a cool dry place. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling

Section 8 Exposure Controls & Personal Protection

Respiratory Protection: None required

Ventilation: Mechanical: Hand Protection: Wear appropriate gloves to prevent skin exposure
 Local Exhaust: Eye Protection: Splash Goggles

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

Section 9 Physical and Chemical Properties

Melting Point:	17.9°C	Specific Gravity:	1.258 @25 Deg C
Boiling Point:	340 F (171 C)	Percent Volatile by Volume:	0
Vapor Pressure:	0.001 mmHg @25 Deg C	Evaporation Rate:	Not Applicable
Vapor Density:	3.1	Evaporation Standard:	
Solubility in Water:	Miscible	Auto ignition Temperature:	698 F (370 C)
Appearance and Odor:	Clear viscous liquid/little or no odor.	Lower Flamm. Limit in Air:	Not applicable
Flash Point:	390 F (199 C)	Upper Flamm. Limit in Air:	Not applicable

Section 10 Stability and Reactivity Information

Stability: Stable Conditions to Avoid: Avoid excessive heat and open flames.

Materials to Avoid: Chlorine, fluorine, Oxidizers and Strong Acids.

Hazardous Decomposition Products: Thermal decomposition releases Acrolein, CO, CO₂.

Hazardous Polymerization: Will Not Occur

Condition to Avoid: None known

Section 11 Additional Information

Conditions aggravated / target organs: Single dose oral toxicity is low. Ingestion of larger amounts may cause injury. Signs and symptoms of excessive exposure may be central nervous system effects and increased blood sugar levels. Person with preexisting conditions may be more susceptible.

DOT Classification: Not Regulated

DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.

Revision No:1

Date Entered: 1/1/2003

Approved by: WPF

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