

Nasco

IMPORTANT
MATERIAL SAFETY DATA SHEET

READ CAREFULLY BEFORE USING CHEMICAL
 MSDS requires that this label be kept on file

Product No. SA 9561 M

Product Name **GLYCERINE**

Gly Cerol

SECTION I
 Principal Hazardous Component(s)
 Glycerine

CHEMTRAC 800-876-4350

Health Hazard	1
Flammability	1
Reactivity	0

SECTION II
 Chemical Synonyms
 Glycerol, 1,2,3-Propanetriol

Formula
 CH₂OHCH(OH)CH₂OH

C.A.S. No.
 56-81-5

SECTION III
 Physical & Chemical Properties
 Boiling Point (°F) 17.8°C
 Boiling Point (°C) 64.0°F
 Vapor Pressure (mm Hg) 1.0 @ 125°C
 Vapor Density (Air=1) 3.17
 Solubility in Water Complete (100%)
 Appearance & Odor Clear, colorless to pale yellow, syrupy liquid; no odor.

Specific Gravity (4°C/4°C)	1.2607 (25/25°C)
Percent Volatile by Volume (%)	
Evaporation Rate (Pentane Evap. = 1)	>1
Stability	N/A
See Section V	

SECTION IV Hazardous Properties	SECTION V Hazardous Reactions
Flash Point (Methanol Used)	Flammable Limits in Air Lower 30% @ 38°F Upper
Extinguisher Media	Carbon dioxide (CO ₂); dry chemical (ABC); water spray

SECTION VI
 Special Precautions
 Autoignition temperature 698°F (376°C). In fire conditions, wear a NIOSH-approved self-contained breathing apparatus.

SECTION VII
 Unusual Fire and Explosion Hazards
 Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials (chromium trioxide, potassium chlorate, or potassium permanganate. May produce explosion).

DEC 14 1995

D.O.T. Not Regulated

TWA: 10 mg/m³ as nuisance mist (ACGIH 1983-84)

9972

Effects of Overexposure
 Ingestion: Very low hazard. Estimation from data, the lethal dose from 100 pound person may be a quart or more. Eye Contact: No significant irritation. Skin: No significant irritation. Not absorbed through skin. Inhalation: Mists are irritating to respiratory tract.

Emergency and First Aid Procedures
 Caution: Never give anything by mouth or induce vomiting if patient is unconscious
 Cautions: Never give anything by mouth or induce vomiting if patient is unconscious
 having convulsions. Eyes: Flush thoroughly with water. If irritation develops or persists get medical attention. Skin: Flush skin with water. Inhalation: Remove to fresh air. If ill effects develop, get medical attention. Ingestion: If swallowed, if ill effects develop get medical attention.

SECTION VIII Stability	SECTION IX Conditions to Avoid
Stable <input checked="" type="checkbox"/> Unstable <input type="checkbox"/>	Absorbs moisture from air. Excessive temperature or heat.
Incompatibility (Material to Avoid)	Oxidizing agents.
Hazardous Decomposition Products	Acrolein

SECTION X
 Hazardous Polymerization
 Will Not Occur Will Not Occur
 Steps to be Taken in Case of Spill or Release
 Small spill: Flush to sewer with copious amounts of water. Large spill: Absorb in sand, vermiculite or available material and place in a suitable container for disposal by incineration.

Waste Disposal Method
 Incineration or disposal in an approved incinerator.
 Dispose of in an approved incinerator.

SECTION VII Respiration Protection (Specify type)	SECTION VIII None
Ventilation	None
Protective Gloves	None
Other Protective Equipment	Smock, apron, eye wash station, goggles, fire extinguisher

SECTION IX
 Precautions to be Taken in Handling & Storage
 When not in use, store in a cool, dry place away from strong oxidizers and fire hazards. Wash thoroughly after handling.

Other Precautions
 None

Approved by **Steven C. Orendt** Effective Date **01/24/95**