

Product Information (203) 740-3471 / Emergency Assistance CHEMTREC 1-800-424-9300

MATERIAL SAFETY DATA SHEETS

SECTION I PRODUCT AND COMPANY IDENTIFICATION

Product: Glycerine
 This MSDS is valid for all grades that start with
 catalog number 349

Synonyms: 1,2,3-Propanetriol; glycerol
 Formula: CH₂CHOHCH₂OH
 Manufacturer: Pharmco Products Inc.
 58 Vale Road
 Brookfield, Connecticut 06804
 USA
 Phone (203) 740-3471
 Fax (203) 740-3481

Emergency Contact:
 CHEMTREC 1-800-424-9300

SECTION II COMPOSITION /INFORMATION ON INGREDIENTS

%wt	Material	CAS	Exposure Limits
100%	Glycerine	56-81-5	Glycerine mist: 10 mg/m ³ TWA (inhalable particulate)

SECTION III HAZARDS IDENTIFICATION

Routes of Exposure:
 Swallowing: If discomfort exists, contact a physician.
 Skin Absorption: Not identified
 Inhalation: Irritation of nose and throat, headache, nausea, vomiting, narcosis, respiratory failure, low blood pressure, central nervous system depression.
 Skin Contact: May cause irritation
 Eye Contact: May cause irritation including stinging, tearing, and redness

Effects of Repeated Overexposure: No harmful effects expected
Medical Conditions Aggravated by Overexposure:
 Not expected

SECTION IV FIRST AID

Obtain medical attention for all cases of discomfort.
 Skin: Wash skin with soap and water for at least 15 minutes
 Inhalation: Remove to fresh air; Give artificial respiration if not breathing; If breathing is difficult oxygen may be given by qualified personnel; Obtain medical assistance if discomfort persists.
 Eye Contact: Flush eyes with water for at least 15 minutes. Obtain medical attention.

SECTION V FIRE FIGHTING MEASURES

Fire/Explosive Properties
 Flash Point: >390F
 Flammable Limits in Air: Not applicable
 NFPA Rating: Health 1 Fire 1 Reactivity 0

1996 North American Emergency Response Guidebook:
 Not applicable
 Extinguishing Media: Dry chemical, carbon dioxide, water spray, foam or sand. Cool side of containers that have been exposed to fire with water.
 Special Fire Fighting Procedures: None
 Unusual Fire and Explosion Hazards: None

SECTION VI SPILL/ACCIDENTAL RELEASE MEASURES

Ordinary housekeeping procedures are adequate.
 Absorb with an inert material such as sand, soil or vermiculite. Sweep up and dispose of in

accordance with federal, state, and local regulations.

SECTION VII HANDLING AND STORAGE

Where dusty and/or misty conditions exist, an explosive atmosphere could develop as with any organic material.

Keep container closed until ready for use.

SECTION VIII EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: If used in applications where a mist may be generated, observe a TWA/TLV of 10mf/m³(total dust) and 5mg/m³ (respirable fraction) for glycerin mist.

Personal Protective Equipment: gloves, lab coat or uniform, safety glasses, eye wash, safety shower

SECTION IX

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: clear, viscous liquid

Odor: None

Vapor pressure @ 20C: negligible

Vapor density: not applicable

Boiling point @ 760mm Hg: 290C (550F)

Melting Point: 17.8C (64F)

Solubility in Water: 100% @ 20C

Specific Gravity @25C: .1.261

Evaporation Rate: negligible

Percent Volatiles: negligible

SECTION X

STABILITY/REACTIVITY INFORMATION

Stability: Stable

Conditions to avoid: Heat, flame, etc.

Incompatibility/Materials to avoid: strong oxidizers such as hydrogen peroxide, bromine, and chromic acid

Hazardous Combustion/Decomposition Products:

Carbon monoxide and/or carbon dioxide and acrolein

Hazardous Polymerization: Will not occur

SECTION XI DISPOSAL CONSIDERATIONS

Dispose of spill-clean up and other wastes in accordance with Federal, State, and local regulations.

SECTION XII TRANSPORTATION INFORMATION

Not regulated

SECTION XIII REGULATORY INFORMATION

Federal EPA

Comprehensive Environmental Response Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release quantities of Hazardous Substances equal to or greater than the reportable quantities (RQs) in CFR. Components present in this product at a level which could require reporting under this statute are:
None

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on threshold planning quantities and release reporting based on reportable quantities in 40 CFR 355 (used for SARA 302, 304, 311, and 312). Components present in this product at a level which could require reporting under this statute are:
None

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all MSDS's that are copied and distributed for this material. Components present in this product at a level which could require reporting under the statute are:
None.

Toxic Substances Control Act (TSCA) Status:
The ingredients of this product are not on the
TSCA inventory.

The information contained herein is based on data considered to be accurate. However, no warranty is expressed regarding the accuracy of these data or the results to be obtained from the use thereof. It is the user's obligation to determine the conditions of safe use of the product.