

GLYCEROL (GLYCERINE), AR GRADE

SECTION 1: PRODUCT IDENTIFICATION

Product Name: GLYCEROL (Glycerine), AR Grade.
Product Code: CM 23171
CAS#: 56-81-5.
Synonym: 1,2,3-Propanetriol; 1,2,3-Trihydroxypropane; Glyceritol.
Chemical Name: 1,2,3-Propanetriol.
Chemical Formula: C₃H₈O₃.
Formula Weight: 92.09.

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition:

Name: Glycerol.

Toxicological Data on Ingredients:

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

This substance is not classified as dangerous according to Directive 67/548/EEC.

SECTION 3: HAZARDS IDENTIFICATION

Potential Acute Health Effects: Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available. Repeated exposure to this product may result in damage to the vascular systems.

SECTION 4: FIRST AID MEASURES

Eye Contact: Flush eyes with water as a precaution.

Skin Contact: Wash off with soap and plenty of water.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Serious Inhalation: Not Available.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water.

Serious Ingestion: Not available.

SECTION 5: FIRE FIGHTING MEASURES

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NO_x), Sulphur oxides, Sodium oxides

Advice for firefighters

Wear self contained breathing apparatus for firefighting if necessary

SECTION 6: ACCIDENTAL RELEASE MEASURES



Personal precautions and emergency procedures
 Avoid dust formation. Avoid breathing vapours, mist or gas.
 Environmental precautions
 Do not let product enter drains.
 Methods and materials for containment and cleaning up
 Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

Precautions: Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust.
 Storage: Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls
 Appropriate engineering controls Handle in accordance with good industrial hygiene and safety practice.
 Wash hands before breaks and at the end of workday.
 Personal protective equipment
 Eye/face protection Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
 Skin protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
 Body Protection Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
 Respiratory protection Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
 Control of environmental exposure Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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|-------------------------------|------|------------------|
| Physical state and appearance | Form | :Liquid, viscous |
| Odour | | :Not available |
| Taste | | :Not available |
| Molecular Weight | | :Not available |
| Colour | | :Not available |
| pH | | :Not available |
| Boiling Point | | :Not available |
| Melting Point | | :Not available |
| Critical Temperature | | :Not available |
| Specific Density | | :Not Available |
| Vapor Pressure | | :Not Available |
| Vapor Density | | :Not available |
| Volatility | | :Not Available |
| Odor Threshold | | :Not Available |
| Water/Oil Dist. Coeff. | | :Not Available |
| Ionicity (in Water) | | :Not Available |



Environmental hazards:

ADR/RID:

IMDG Marine pollutant:

IATA:

SECTION 15: OTHER REGULATORY INFORMATION

Federal and State Regulations: TSCA 8(b) inventory: Glycerine.

Other Regulations: Not available.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC): Not Applicable.

This product is not classified according to the EU regulations. Not applicable.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves, Lab coat, Safety glasses, Dust respirator - be sure to use an approved/certified respirator or equivalent.

SECTION 16: OTHER INFORMATION

References: Not available.

Other Special Considerations: Not available.

The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. The information is offered solely for user's obligation to investigate and determine the suitability of the information for their particular purpose.

