

SAFETY DATA SHEET

GLYCERIN - VEGETABLE

1. PRODUCT INFORMATION AND COMPANY IDENTIFICATION

Product Name: Glycerin - Vegetable

Company: Natural Bulk Supplies, 318 Half Day Rd, # 348,
Buffalo Grove, IL 60089 Phone: 847-489-7180

Emergency Contact: Infotrac: 800-535-5053(North America) +1-352-323-3500 (International)

2. HAZARD IDENTIFICATION

GHS Classification in accordance with: US OSHA (29 CFR 1910.1200)

Not a hazardous substance or mixture

GHS label elements, including precautionary statements

Not a hazardous substance or mixture

Other hazards which do not result in classification

Not a hazardous substance or mixture

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Synonyms

1,2,3-Propanetriol; Glycerolum; Glycerol, Glycerin, Glycerine

Substance Name	EC No.	CAS No.	Formula	Molecular Weight	Concentration
Glycerine	200-289-5	56-81-5	C3H8O3	92.09	90-100%

4. FIRST AID MEASURES

General Advice

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice. Show the label or this safety data sheet when possible.

Inhalation

If breathed in, move person to fresh air. If not breathing, give artificial respiration. Consult a physician if symptoms develop.

Skin contact:

Wash off with soap and plenty of water. Get medical attention if symptoms occur.

Eye contact:

Flush eyes with water as a precaution. Remove contacts.

Ingestion:

Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention should irritation and symptoms occur.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

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

Specific hazards arising from the chemical

Carbon oxides, smoke, and irritating fumes or substances may form. Fumes may be toxic.

Protective equipment and precautions for firefighters

Wear self-contained breathing apparatus for firefighting if necessary. Wear protective clothing and gear to prevent contact with skin and eyes. Follow standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Further information

Spills produce EXTREMELY slippery surfaces.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Do not touch or walk through spilled material. Spills can create very slipper surfaces. Wear respiratory protection. Avoid breathing gas, mist, vapors, or spray. Ensure adequate ventilation. Evacuate personnel to safety. For personal protection, see section 8.

Environmental precautions

Should not be released into the environment.

Methods and material for containment and cleaning

Stop leak if you can do it without risk. Sweep and shovel into suitable containers for disposal. Use absorbent paper to pick up all liquid spill material. Seal the absorbent paper, as well as

any of your clothing that may be contaminated, suitable container for eventual disposal. Wash any surfaces you may have contaminated with soap and water solution.

Reference to other sections

For disposal, see section 13.

7. HANDLING AND STORAGE

Precautions for safe handling

Surfaces are very slippery from this product. Do not swallow. Do not breathe mist, vapors, or spray. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Use only outdoors or in a well-ventilated area. See section 8 for information on Personal Protective Equipment.

Conditions for safe storage, including any incompatibilities

Freezing will adversely affect the quality of the product. Store locked up. Keep away from sources of heat and sources of ignition. Store away from incompatible materials. See Section 10 for information on incompatible materials. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Glycerol (CAS: 56-81-5 EC: 200-295-5)

TWA (Inhalation):	5 mg/m ³ ; USA (OSHA)
PEL (Inhalation):	5 mg/m ³ , PNOR (Cal/OSHA)
PEL (Inhalation):	5 mg/m ³ (OSHA)
PEL (Inhalation):	10 mg/m ³ , PNOR (Cal/OSHA)
PEL (Inhalation):	15 mg/m ³ (OSHA)
TWA (Inhalation):	10 mg/m ³ ; USA (ACGIH)
TWA (Inhalation):	15 mg/m ³ ; USA (OSHA)

Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

Note: The information contained within this document was prepared by technical personnel and is believed to be true and accurate to the best of our knowledge. However, no warranty, express or implied, is provided regarding merchantability, fitness for a particular purpose, performance, safety, suitability, stability, or other aspects of the product. This information is not comprehensive and does not cover all potential conditions of use, handling, storage, disposal, or other factors that may involve legal, environmental, safety, or performance considerations. Natural Bulk Supplies accepts no liability for the use of or reliance upon this information. Our technical personnel are available to address inquiries, but the customer bears ultimate responsibility for the safe handling and use of the product. No suggestions for use are made that would encourage the infringement of existing patents or the violation of any Federal, State, local, or foreign laws.

Individual protection measures, such as personal protective equipment:

Pictograms:

Eye/faction protection:

Safety glasses with side shields or goggles

Skin protection:

Wear protective gloves, such as PVC or other plastic material. Consult manufacturer specifications for further information.

Body Protection

Wear protective clothing. Clothing with full length sleeves and pants should be worn. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection:

General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplier respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Thermal Hazard

No data available

Environmental Exposure Controls

Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/form	Viscous, liquid, clear to light yellow
Odor	Mild or musty
Odor threshold	No data available
pH	No data available
Melting point/freezing point	<2 C (<36 F)
Initial boiling point and boiling range	>130 C (266 F) at 1013 hPa
Flash Point	>176 C (>349 F) – closed cup
Flammability (solid, gas)	No data available

Note: The information contained within this document was prepared by technical personnel and is believed to be true and accurate to the best of our knowledge. However, no warranty, express or implied, is provided regarding merchantability, fitness for a particular purpose, performance, safety, suitability, stability, or other aspects of the product. This information is not comprehensive and does not cover all potential conditions of use, handling, storage, disposal, or other factors that may involve legal, environmental, safety, or performance considerations. Natural Bulk Supplies accepts no liability for the use of or reliance upon this information. Our technical personnel are available to address inquiries, but the customer bears ultimate responsibility for the safe handling and use of the product. No suggestions for use are made that would encourage the infringement of existing patents or the violation of any Federal, State, local, or foreign laws.

Upper/lower flammability limits	No data available
Upper/lower explosive limits	No data available
Vapor pressure	< 0.1 mmHg @ 20 C (68 F)
Vapor density	3.17 @ 20 C (68 F)(Air = 1.0)
Relative density	1.22 – 1.24 @ 25 C (77 F) Reference Substances: Water = 1
Solubility (ies)	Soluble
Partition Coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing Properties:	No data available

10. STABILITY AND REACTIVITY

Reactivity

No dangerous reaction known under normal conditions of use

Chemical stability

Stable under normal storage conditions

Possibility of hazardous reactions

No data available

Conditions to avoid

Heat, flames, and sparks. Incompatible products. Keep away from open flames, hot surfaces, and sources of ignition

Incompatible materials

Strong acids, strong oxidizing agents

Hazardous decomposition products

Thermal decomposition may produce carbon oxides.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

LD50 (Oral)

Not applicable

LD50 (Dermal)

Not applicable

LD50

Not applicable

Skin Corrosion/Irritation

May cause slight skin irritation

Serious eye damage/irritation

May cause slight eye irritation

Respiratory or skin sensitization

Not expected to present a significant inhalation hazard under anticipated conditions of normal use

Germ Cell Mutagenicity

No mutagenic effects

Carcinogenicity

No components of this product at levels greater than 0.1% is identified as carcinogenic by IARC, NTP, ACGIG, or OSHA

Reproductive Toxicity

No toxicity to reproduction

STOT-single Exposure

No data available

STOT-repeated Exposure

No data available

Aspiration Hazard

No data available

12. ECOLOGICAL INFORMATION

Toxicity

No data available on product

Persistence and degradability

No data available on product

Bioaccumulation Potential

Not Established

Mobility in soil

No data available

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse affects

Ozone-Depletion Potential

Regulation 40: CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone – CAA Section 602 Class Substances

Remarks

This product neither contains, nor was manufactured, with a Class I or Class II ODS as defined by the U.S. Clean Air Action Section 602 (40 CFR 82, Subpt. A, App.A + B

13. DISPOSAL CONSIDERATIONS

Disposal of the product

Treatment, storage, transportation, and disposal, must be in accordance with all applicable federal, state, and local laws and regulations.

Disposal of contaminated packaging

Dispose of as unused product.

Waste treatment

Waste packaging should be recycled or reused whenever possible. If recycling is not feasible, contaminated packaging should be disposed of in accordance with all local, state, and federal regulations. Regulations vary by region.

Sewage Disposal

Avoid release into sewers or other public water ways.

14. TRANSPORT INFORMATION

UN Number	None
UN Proper Shipping Name	None
Transport hazard class(es)	None
Packing Group	None
Environmental Hazards	None
Special precautions For User	None
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	None

Note: The information contained within this document was prepared by technical personnel and is believed to be true and accurate to the best of our knowledge. However, no warranty, express or implied, is provided regarding merchantability, fitness for a particular purpose, performance, safety, suitability, stability, or other aspects of the product. This information is not comprehensive and does not cover all potential conditions of use, handling, storage, disposal, or other factors that may involve legal, environmental, safety, or performance considerations. Natural Bulk Supplies accepts no liability for the use of or reliance upon this information. Our technical personnel are available to address inquiries, but the customer bears ultimate responsibility for the safe handling and use of the product. No suggestions for use are made that would encourage the infringement of existing patents or the violation of any Federal, State, local, or foreign laws.

15. REGULATORY INFORMATION

SARA 302 Components

No chemicals in this product are subject to the reporting requirements of SARA Title III, Section 302

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SRA Title III, Section 313

SARA 311/312 Hazards

Acute Health Hazards, Chronic Health Hazard

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act. Glycerol: CAS-No. 56-81-5

Pennsylvania Right To Know Components

No components are subject to the Pennsylvania Right to Know Act. Glycerol: CAS-No. 56-81-5

New Jersey Right To Know Components

No components are subject to the New Jersey Right to Know Act. Glycerol: CAS-No. 56-81-5

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Health

0

Flammability

1

Physical Hazard

0

Personal Protection

0

16. OTHER INFORMATION

All statements, technical information and recommendations contained herein are based on tests and data which Natural Bulk Supplies believes to be currently reliable, but this



accuracy or completeness thereof is not guaranteed and no warranty of any kind is made with respect thereto. This information is not intended as a license to operate under or a recommendation to practice or infringe any patent of this company or others covering any process, composition of matter or use. Since we shall have no control of the use of the product described here in, we assume no Liability for loss or damage incurred from the proper or improper use of such product.

Note: The information contained within this document was prepared by technical personnel and is believed to be true and accurate to the best of our knowledge. However, no warranty, express or implied, is provided regarding merchantability, fitness for a particular purpose, performance, safety, suitability, stability, or other aspects of the product. This information is not comprehensive and does not cover all potential conditions of use, handling, storage, disposal, or other factors that may involve legal, environmental, safety, or performance considerations. Natural Bulk Supplies accepts no liability for the use of or reliance upon this information. Our technical personnel are available to address inquiries, but the customer bears ultimate responsibility for the safe handling and use of the product. No suggestions for use are made that would encourage the infringement of existing patents or the violation of any Federal, State, local, or foreign laws.