

MSDS

GLYCERIN AQUEOUS SOLUTIONS

Material Safety Data Sheet

Section 1: Chemical Product and Company Identification

Catalog Number: 3289, 3290, 3291, 3291.8, G-127, G041150, R3286000, R3290010, R3291700, R3291850, SG041150	
Product Identity: GLYCERIN AQUEOUS SOLUTIONS	
Manufacturer's Name: RICCA CHEMICAL COMPANY LLC	Emergency Contact(24 hr) -- CHEMTREC® Domestic: 800-424-9300 International: 703-527-3887
CAGE Code: 0V553	
Address: 448 West Fork Dr Arlington, TX 76012	Telephone Number For Information: 817-461-5601
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Section 2. Composition/Information on Ingredients

Component	CAS Registry #	Concentration	ACGIH TLV	OSHA PEL
Glycerin (Glycerol)	56-81-5	> 40	Not Available 10 mg/m3	Not Available 15 mg/m3
Water, Deionized	7732-18-5	Balance	Not Available Not Available	Not Available Not Available

Section 3: Hazard Identification

Emergency Overview: May cause irritation to areas of contact. Wash areas of contact with water. Mildly toxic by ingestion. Can cause headaches, nausea, vomiting, and diarrhea. May also cause kidney damage. If swallowed, dilute with water or milk and induce vomiting. Call a physician if necessary.

Target Organs: eyes, skin, kidneys.

Eye Contact: May cause slight irritation.

Inhalation: May cause irritation.

Skin Contact: May cause slight irritation.

Ingestion: Mildly toxic by ingestion. Symptoms include headaches, nausea, vomiting and diarrhea. May also cause kidney damage.

Chronic Effects/Carcinogenicity: None

IARC - No.

NTP - No.

OSHA - No.

Reproductive Information: Reproductive effects cited in 'Registry of Toxic Effects of Chemical Substances' for Glycerin (Glycerol).

Teratology (Birth Defect) Information: Mutation data cited in 'Registry of Toxic Effects of Chemical Substances' for Glycerin (Glycerol).

MSDS

GLYCERIN AQUEOUS SOLUTIONS

Section 4: First Aid Measures - In all cases, seek qualified evaluation.

Eye Contact: Irrigate immediately with large quantity of water for at least 15 minutes. Call a physician if irritation develops.

Inhalation: Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.

Skin Contact: Wash areas of contact with soap and water for at least 15 minutes. Call a physician if irritation develops.

Ingestion: Dilute immediately with water or milk. Induce vomiting. Call a physician.

Section 5: Fire Fighting Measures

Flash Point: Not Available.

Method Used: Not Available.

LFL: Not Available.

UFL: Not Available.

Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Fire & Explosion Hazards: Containers may explode in fire due to buildup of pressure

Fire Fighting Instructions: Use normal procedures/instructions.

Fire Fighting Equipment: Use protective clothing and breathing equipment appropriate for the surrounding fire.

Section 6: Accidental Release Measures

Absorb with suitable inert material (vermiculite, dry sand, etc) and place in a chemical waste container for proper disposal. Do not flush to sewer. Dispose of in accordance with local regulations.

Section 7. Handling and Storage

As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from freezing and physical damage.

Safety Storage Code: General

Section 8: Exposure Control/Personal Protection

Engineering Controls: No specific controls are needed. Normal room ventilation is adequate.

Respiratory Protection: Normal room ventilation is adequate.

Skin Protection: Chemical resistant gloves.

Eye Protection: Safety glasses or goggles.

Section 9: Physical and Chemical Properties

Appearance: Clear, colorless liquid

Odor: characteristic alcohol

Solubility in Water: Infinite

Specific Gravity: Approximately 1.1 - 1.2

pH: Not Available.

Boiling Point(°C): Not Available.

Melting Point(°C): Not Available.

Vapor Pressure: Not Applicable.

Section 10: Stability and Reactivity

Chemical Stability: Stable under normal conditions of use and storage.

Incompatibility: Strong oxidizing agents such as Chromium Trioxide, Potassium Chlorate, Potassium Permanganate, and Hydrogen Peroxide, Acetic Anhydride, some metallic oxides.

Hazardous Decomposition Products: Acrid and irritating fumes when heated to decomposition.

Hazardous Polymerization: Will not occur.

Section 11. Toxicological Information

LD50, Oral, Rat: (Glycerin) 12600 mg/kg, behavioral effects noted. LD50, Dermal, Rabbit: (Glycerin) > 10 gm/kg, details of toxic effects not reported other than lethal dose value. Investigated as a mutagen (Glycerin).

MSDS

GLYCERIN AQUEOUS SOLUTIONS

Section 12. Ecological Information

Ecotoxicological Information: This material is not expected to be toxic to aquatic life. Insufficient data are available to evaluate the short and long term effects to plants, birds and land animals.

Chemical Fate Information: Glycerin is moderately persistent in water, with a half-life of between 20 to 200 days.

Section 13. Disposal Considerations

Absorb with suitable inert material (vermiculite, dry sand, earth) and place in a chemical waste container for proper disposal. Do not flush to sewer. Always dispose of in accordance with local, state and federal regulations.

Section 14. Transport Information

Part Numbers:

This product is not regulated.

Section 15. Regulatory Information (Not meant to be all inclusive - selected regulation represented)

OSHA Status: These items meet the OSHA Hazard Communication Standard (29 CFR 1910.1200) definition of a hazardous material.

TSCA Status: All components of this solution are listed on the TSCA Inventory or are mixtures (hydrates) of items listed on the TSCA Inventory.

Sara Title III:

Section 302 Extremely Hazardous Substances: Not Applicable.

Section 311/312 Hazardous Categories: No

Section 313 Toxic Chemicals: Not Applicable.

California: None Reported.

Pennsylvania: Glycerin (Glycerol) is listed as a Basic Hazard on the state's Hazardous Substances List.

RCRA Status: Not Applicable.

CERCLA Reportable Quantity: None Reported.

WHMIS: Not Applicable.

Section 16. Other Information

NFPA Ratings:

Health: 1 Flammability: 0 Reactivity: 0 Special Notice Key: None

HMIS Ratings:

Health: 1 Flammability: 0 Reactivity: 0 Protective Equipment: B (Protective Eyewear, Gloves)

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Rev 1, 10-09-2001: Reformatted to electronic data format.

Rev 2, 02-06-2003: (Section 1) added Solutions Plus catalog number G041150.

Rev 3, 10-28-2003: (Section 1) added catalog number 3291.8; (Section 2) revised concentration from 40 - 60; (Section 9) revised specific gravity from approximately 1.1.

Rev 4, 10-05-2006: (Section 1) added Red Bird catalog number G-127.

Rev 5, 02-20-2007: (Section 1) added catalog number R3286000.

Rev 6, 04-13-2007: (Section 1) added catalog numbers R3290010, R3291700, and R3291850.

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and RICCA CHEMICAL COMPANY assumes no legal responsibility or liability whatsoever resulting from its use.