

# SAFETY DATA SHEET

## GLYCERIN-ETHER SOLUTION

### Section 1 - Chemical Product and Company Identification

**SDS Name:** Glycerin-Ether Solution

**Catalog Numbers:** G-471-2

**Company Identification:** ROWLEY BIOCHEMICAL  
10 ELECTRONICS AVENUE  
DANVERS, MA 01923

**For information, call:** 978-739-4883

**Emergency Number:** 800-424-9300

**For CHEMTREC assistance, call:** 800-424-9300

### Section 2 - Hazards Identification

#### GHS Classifications

##### HEALTH HAZARDS

H303-Acute Oral Toxicity: 4

H312-Acute Dermal Toxicity: 4

H315-Skin Corrosion/Skin Irritation: 2

H320-Eye damage/Irritation: 2B

H317-Skin Dermal Sensitization: 1

##### PHYSICAL HAZARDS

Not classified

##### ENVIRONMENTAL HAZARDS

Aquatic acute environmental Hazards: Not classified

Chronic environmental Hazards: Not classified

#### Pictograms or Hazard symbols and Hazard statement.



Warning: Harmful if swallowed. Harmful in contact with skin.

Causes skin irritation. May cause an allergic skin reaction.

Warning: Causes eye irritation.

## Precautionary Statement

H312+H303+H315

**P280**-Wear protective gloves, clothing, and eye and face protection.

**P302 + P352**-If on skin, wash with plenty of water. Remove contact lenses if present and easy to do so. Continue rinsing.

**P312**-Call a POISON CENTER/physician if you feel unwell.

**P363**-Wash contaminated clothing before reuse.

**P264**-Wash thoroughly after handling.

**P332 + P313**-If skin irritation occurs, get medical advice/attention.

H320

**P305 + P351 + P338**-If in eyes, rinse cautiously with water for several minutes.

**P337 + P313**-If eye irritation persists, get medical advice/attention.

H317

**P261**-Avoid breathing fumes/mist/vapors.

**P272**-Contaminated work clothing should not be allowed out of the work place.

## Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
10035-04-8	Calcium Chloride	20 w/v
56-81-5	Glycerin	85 v/v
7732-18-5	Water	Balance

## Section 4 - First Aid Measures

**Eye Exposure:** In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

**Dermal Exposure:** In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes.

**Oral Exposure:** If Swallowing seek immediate medical advice.

**Inhalation Exposure:** If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

## Section 5 - Fire Fighting Measures

Firefighters should wear proper protective clothing and self contained breathing apparatus with full piece operated in positive pressure mode to prevent contact with skin and eyes.

**Extinguishing Media:** Use water spray, dry chemical powder, or appropriate foam.

**Flash Point:** N/A

**NFPA Rating:** (estimated) Health: 1; Flammability: 0; Instability: 0

**Special Remarks on Fire Hazards:** When heated to decomposition it emits toxic fumes of sulfur oxides, hydrogen sulfide, and sodium oxide.

**Special Remarks on Explosion Hazards:** An explosion may occur with raw material if triturated with nitrates, chlorates, or permanganates.

## Section 6 - Accidental Release Measures

### **Procedure(s) of Personal Precaution(s):**

Wear protective gear.

**Methods for Cleaning up:** Absorb with sand, earth or vermiculite. Carefully sweep up and containerize for proper disposal.

## Section 7 - Handling and Storage

Use care when handling. Wash thoroughly after handling. Store capped at room temperature. Keep away from incompatible materials.

## Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:** Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

### **Personal Protective Equipment**

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

## Section 9 - Physical and Chemical Properties

**Physical State:** Liquid(viscose)

**Appearance:** Clear

**Odor:** Odorless

**pH:** N/A

**water.**

**Vapor Pressure:** 2.3 kPa @ 20deg. C

**Vapor Density:** 0.62 (Air=1)

**Evaporation Rate:** N/A

**Viscosity:** N/A

**Boiling Point:** 100 deg. C

**Solubility:** N/A

## Section 10 - Stability and Reactivity

**Chemical Stability:** The product is stable.

**Conditions to Avoid:** Heat, incompatible materials.

**Incompatibilities with Other Materials:** Bromine trifluoride, strong acids.

**Hazardous Decomposition Products:** Not available.

**Hazardous Polymerization:** Hydrogen chloride, calcium oxide.

## Section 11 - Toxicological Information

**RTECS#:** EV9810000

**LD50/LC50:**

CAS# 10035-04-8

Oral, Mouse: LD50=1940 mg/kg

Oral, rabbit: LD50=1384 mg/kg

Oral, rat: LD50=1 gm/kg

CAS# 56-81-5

**Toxicity to Animals: WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 4090 mg/kg [Mouse]. Acute dermal toxicity (LD50): 10000 mg/kg [Rabbit]. Acute toxicity of the mist (LC50): >570 mg/m<sup>3</sup> 1 hours [Rat**

**Carcinogenicity:**

CAS# 10035-04-8: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

## Section 12 - Ecological Information

**CAS#** 10035-04-8.

**Ecotoxicity:** Not available.

**Environmental:** Not available.

**Physical:** No information available.

**Other:** No information available.

## Section 13 - Disposal Considerations

**Appropriate method of disposal of substance or preparation:**

Handled as hazardous waste and sent to an RCRA approved incinerator or disposed in an RCRA approved wasted facility.

## Section 14 – Transport Information

**DOT**

Non-Regulated

## Section 15 - Regulatory Information

Canada Regulatory Information

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

### **European/International Regulations**

#### **European Labeling in Accordance with EC Directives**

#### **Risk Phrases:**

R20/21/22 Harmful in contact with skin and if swallowed

R36/38 Irritating to eyes and skin

R43 May cause sensitization by skin contact

#### **Safety Phrases:**

S20/21 When using do not eat, drink or smoke

S2 Keep out of the reach of children.

S7 Keep container tightly closed.

S9 Keep container in a well-ventilated place

S24 Avoid contact with skin.

Section 16 - Additional Information
-------------------------------------

**MSDS Creation Date:** 10/15/12

**Revision #1. RC 11/3/14**

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Rowley Biochemical, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rowley Biochemical, Inc. has been advised of the possibility of such damages.*