

SAFETY DATA SHEET

Ethylene Glycol

Section 1 - Chemical Product and Company Identification

SDS Name: Ethylene Glycol

Catalog Numbers: SO-1027

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 HAZARD

H302-Acute Oral Toxicity: 4

H315-Skin Corrosion/Skin Irritation: 2

H320-Eye damage/Irritation: 2B

PHYSICAL HAZARDS

Not classified

ENVIRONMENTAL HAZARDS

Not classified

Pictograms or Hazard symbols and Hazard statement.



Harmful if swallowed.



Causes skin irritation.
Causes eye irritation.

Precautionary Statement Prevention

H302

P264 Wash thoroughly after handling.

P270 Do not eat, drink, or smoke when using this product.

P301 + P312 If swallowed, call a physician if you feel unwell.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

P330 Rinse mouth.

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.

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

P362 Take off contaminated clothing and wash before reuse.

H320

P264 Wash thoroughly after handling.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

WARNING! Causes skin irritation. Causes eye irritation. May be Harmful if swallowed. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
107-21-1	Ethylene Glycol	100

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: 1 ; Instability: 0

NOTE: May be combustible at high temperature.

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. Avoid contact with skin and eyes. Store capped at room temperature. Keep away from incompatible materials and high temperature.

Avoid contact with skin and eyes.

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(Syrupy)
Appearance: Clear
Odor: Odorless
pH: N/A
Vapor Pressure: .06 mmHg @ 20deg. C
Vapor Density: 2.14 (Air=1)
Evaporation Rate: N/A
Viscosity: N/A
Boiling Point: 197.6 deg C
Solubility: Soluble in cold water.
Specific Gravity/Density: N/A
Melting Point: -13 deg. C

Section 10 - Stability and Reactivity

Chemical Stability: Stable at room temperature in closed containers under normal storage and handling conditions. Excess heat.
Hazardous Decomposition Products: Will not occur.
Hazardous Polymerization: Will not occur.
Incompatibilities with other materials: Reactive with oxidizing agents. Excess heat.

Section 11 - Toxicological Information

RTECS#:

LD50/LC50:

CAS# 107-21-1

LD50 4700 mg/Kg (Rat)

LC50 >200 mg/m³ 4 hours (Rat)

Carcinogenicity:

CAS# 107-21-1: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Route of exposure:

Avoid all routes of exposure including contact and inhalation.

Conditions aggravated by exposure:

The toxicological properties have not been thoroughly investigated

Section 12 - Ecological Information

Ecotoxicity:

CAS# 107-21-1.

Ecotoxicity in water (LC50): 41000 mg/l 96 hours. Fish (Trout) 48 hours (water flea) 46300. 34250 mg/l 96 hours. Fish (bluegill fish). 34250 mg/l 72 hours. Fish (Goldfish).

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

Risk and Safety phrases

R21/22 Harmful in contact with skin and if swallowed

S2 Keep out of the reach of children

S24/25 Avoid contact with skin and eyes

S37/39 Wear suitable gloves and eye/face protection

US Classification and label test

US Statements: Caution! Irritant to skin and eyes.

United States Regulatory Information

SARA Listed: No

Canada Regulatory Information

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

DSL: no

NDSL: no

Section 16 - Additional Information

MSDS Creation Date: 10/15/12

Revision #1. 6/11/14. RC

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