MSDS Document

Product Glycolic Acid 70%

1. Chemical Product and Company Identification

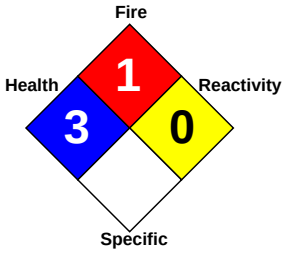
Product Glycolic Acid 70%

Synonyms: Hydroxyethanoic Acid

MSDS ID 0295

Manufacturer
Phibrochem
65 Challenger Road
Ridgefield Park, NJ 07660

Phone Number
(201) 329-7300
Emergency Phone
CHEMTREC (800) 424-9300
CHEMTREC International (703) 527-3887
Revision Date 4/23/2009



2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
GLYCOLIC ACID	79-14-1	70 %			

3. Hazard Identification

Ingestion
Harmful if swallowed. Corrosive and may cause severe and permanent damage to mouth, throat, and stomach.

Inhalation
May cause chemical burns to nasal passages and airways.

Skin
Substance is corrosive. Causes severe skin burns.

Eye
Corrosive to the eyes and may cause severe damage including blindness.

4. First Aid Information

Eye
Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

Skin
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Thoroughly wash (or discard) clothing and shoes before reuse.

Inhalation
Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention.

Ingestion
If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

5. Fire Fighting Measures

Flammable Properties
This material is not considered a fire hazard. Not Flammable, but reacts with most metals to form flammable hydrogen gas.

Extinguishing Media
Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

Fire fighting instructions
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

6. Accidental Release Measures

Clean-up
Ventilate and evacuate area. Clean up spills immediately, observing precautions in Protective Equipment section. Large spills may be neutralized with dilute alkaline solutions of soda ash, or lime. Vacuum or sweep up material and place in a disposal container. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Do not flush to sewer.

7. Handling and Storage

Handling
Wash thoroughly after handling. Use with adequate ventilation. Avoid breathing (dust, vapor,

mist, gas). Avoid contact with eyes, skin, and clothing. Follow all MSDS/label precautions even after container is emptied because they may retain product residues.

Storage
Store in a cool place in original container and protect from sunlight. Store away from incompatible materials. Keep container closed when not in use. Keep away from food and drinking water.

8. Exposure Controls and Personal Protection

Engineering controls
Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

Respirators
A NIOSH-approved air purifying respirator with the appropriate cartridge or canister for the hazards may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

Other clothing
Wear safety glasses with side shields (or goggles) and a face shield. Use gloves, and other body coverings, recommended for this material by manufacturers or suppliers based on test data showing adequate permeation and penetration resistance.

9. Physical and Chemical Properties

Physical State	Liquid
Specific Gravity	1.27
Color/Appearance	White to Straw Colored
Odor	Burnt Sugar
pH	1.7 (10% Soln)
Boiling/Cond. Point	113 C
Melting/Freezing Point	10 C
Solubility	Soluble
Percent Volatile	30
Molecular Formula	C2H4O3
Molecular Weight	76.06
Vapor Pressure	11 @ 20 C

10. Stability and Reactivity

Thermal Stability
Stable under normal conditions of use and storage.

Incompatibility
Strong oxidizing agents. Metals. Cyanides and sulfides.

Conditions to Avoid
Incompatibles.

Hazardous Polymerization
Will not occur.

Hazardous Decomposition Products
Carbon dioxide and carbon monoxide may form when heated to decomposition. Decomposition by reaction with certain metals releases flammable and explosive hydrogen gas.

11. Toxicological Information

The toxicological properties of this material have not been thoroughly investigated.

Carcinogen
NTP: No
IARC: No
OSHA: No

There is no experimental toxicity data for this product. Refer to the data listed below for relative toxicity assessment.

TOXICITY DATA: (100 % GLYCOLIC ACID)
Oral Toxicity: LD50: 1950 Mg/Kg (Rat)
LD50: 1920 Mg/Kg (Guinea pig)
Inhalation Toxicity: LC50: 7.7 Mg/L/4H (Rat)
Eye: SEV: 2 Mg/Kg (Rabbit)

12. Ecological Information

Keep out of waterways. Harmful to fish and other water organisms.

100 % GLYCOLIC ACID
LC50: 93 Mg/L/48H (Bluegill/Sunfish)
LC50: 164 Mg/L/96H (Flathead Minnow)
LC50: 5,000 Mg/L/96H (Zebrafish)
EC50: 141 Mg/L/48H (Water flea Daphnia)

13. Disposal Considerations

Disposal Method
Dispose in accordance with applicable federal, state, local environmental and regulatory requirements.

14. Transportation Information

DOT Shipping Name: Corrosive Liquid, Acidic, Organic N.0.S., (Glycolic Acid)
DOT Hazard Class: 8
Hazardous Ingredients: Glycolic Acid
Identification Number: UN 3265
Packing group: II
Label: Corrosive

Note: During an incident involving this material, use of DOT Emergency Response Guide No. 153 is also recommended.

15. Regulatory Information

Toxic Substances Control Act(TSCA)
Chemical ingredients are on the TSCA inventory.

Superfund Reportable Quantity(RQ)
Not Regulated.

Hazardous Waste No.
D002 (Unlisted hazardous substance characteristic of corrosivity)

Sara Title III (Section 313)
Please check with the appropriate agency.

State Lists
This material contains ingredients that are listed for reporting or disclosure in the state of Texas. Please check with the appropriate state agencies.

For States Not Listed
Please check with the appropriate agencies.

California Proposition 65 Warning
This product may contain chemicals known to the state of California to cause cancer, or birth defects or other reproductive harm.

Canadian Lists

DSL/NDSL
The ingredients are on the Domestic Substances List.

WHMIS

Hydroxyacetic acid is item number 854 from the Ingredient Disclosure List and is subject to reporting at 1.0% threshold.

16. Other Information

All information presented herein is given in good faith and is based on sources and tests considered to be reliable, but cannot be guaranteed. It is the user's full responsibility to accept risk for the safety, toxicity, handling, storage, and use of the product, as well as to determine the suitability of the product for a specific purpose. We make no warranty as to the results to be obtained in using the product; therefore all risks must be assumed by the user.