



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Glycolic Acid 70%

50-2705

Section 1: Identification

Product Name Glycolic Acid 70%
Commercial Name Not available.
Product Use Manufacture of substances, Personal care, Cosmetics, laboratory chemicals
Restrictions On Use Not available
Product Code 50-2705
Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Causes severe skin burns and eye damage (Category 1B) Causes serious eye damage (Category 1)
CFR 1910.1200

Signal Word DANGER

Hazard Statement(s) Harmful if inhaled. Causes severe skin burns and eye damage Causes serious eye damage.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention P264-Wash skin thoroughly after handling P280-Wear protective gloves/protective clothing/eye protection/face protection
Response P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting P303+P361+P353 IF ON SKIN (or hair): Remove / take off immediately all contaminated clothing. Rinse skin with water / shower P304+P340+310 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately Call a POISON CENTER or doctor P305+P351 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, +P338+310 if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor P363 Wash contaminated clothing before reuse
Storage P405-Store locked up
Disposal P501-Dispose of contents/container to an approved waste disposal plant

Section 3: Composition/Information on Ingredients

Substance/Mixture Mixture
Components Glycolic acid 70% and Water
% By Weight Glycolic acid: 70% and Water: 30%
CAS# 79-14-1, 7732-18-5
Molecular Weight Not available.
Chemical Formula C₄H₆O₅
Synonym(s) Not available.

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Glycolic acid 70%	79-14-1	70	Not available.	: Acute 7.1mg/m ³ 4 hours [Rat].
Water	7732-18-5	30	Not available	Not available



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Section 4: First-Aid Measures

Inhalation	Remove to fresh air. If symptoms develop, seek immediate medical attention. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Skin Contact	Immediately flush with water. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Professionally wash clothing and shoes before re-use.
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.
Ingestion	Seek medical attention. Wash out mouth with water, provided person is conscious. Do not induce vomiting.
Symptoms/Effects	
Acute	Not available
Delayed	Not available
Immediate Medical Attention	Not available.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media

SMALL FIRES: Water, dry chemical or carbon dioxide. LARGE FIRES: water spray, fog, or foam.

Unsuitable Extinguishing Media

Not available.

Products of Combustion

Smoke, soot, and toxic/irritating fumes (i.e., carbon dioxide, carbon monoxide, etc.).

Firefighters Special Equipment and Precautions

During a fire, irritating and highly toxic gases may be generated during combustion or decomposition. Fire fighters and others who may be exposed to the products of combustion should be equipped with NIOSH-approved positive pressure self-contained breathing apparatus (SCBA) and full protective clothing.

Section 6: Accidental Release Measures

Evacuation: Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Eliminate all sources of ignition. Containment: Safely stop discharge. Contain material, as necessary, with a dike or barrier. Stop material from contaminating soil, or from entering sewers or bodies of water. Clean-Up/Personal Protection Equipment: Appropriate safety measures and protective equipment should be used. Collection And Disposal: Stop discharge, if safe to do so. Use proper protective equipment. Absorb, place in a bag or drum and hold for proper disposal. Ventilate area and wash spill site after material pickup is complete. Dispose of according to applicable local, state and federal regulations.

Section 7: Handling and Storage

Handling: Stability GlyAcid® 70 HP is stable when stored under normal conditions. If stored at temperatures below 14°C (57°F), precipitation may occur. This precipitation does not affect product quality. In order to re-dissolve the crystalline glycolic acid, the mixture must be heated to 40°C (104°F) with agitation. Detailed procedures may be obtained from CrossChem's Technical Services Group. Under no circumstances should the material be heated above 50°C (122°F). Storage: Store product in dry, well ventilated area away from heat, ignition sources, and direct sunlight. Keep containers tightly closed.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	Local exhaust ventilation is recommended when dusts can be released.



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Personal Protection

Eye Protection: Wear chemical splash goggles. An eye wash facility should be readily available. Wear NIOSH/MSHA-approved equipment (UN 166). Skin Protection: Wear protective clothing and appropriate impervious gloves. Because a variety of protective gloves exist, consult glove manufacturer to determine the proper type for a specific operation. An emergency shower should be readily available. Use Nitrile rubber gloves 0.11 mm thickness minimum. Respiratory Protection: Avoid breathing vapor or dusts. Wear NIOSH/MSHA-approved equipment (UN 166). Determine the appropriate type by consulting the respirator manufacturer. High airborne concentrations may necessitate the use of self-contained breathing apparatus (SCBA) or a supplied air respirator. Respiratory protection programs must be in compliance with 29 CFR 1910.134 (US) and CEN (EU).

Section 9: Physical and Chemical Properties

Appearance	Colorless Solution		
Odor	Not significant		
Odor Threshold	Not available		
Melting Point	Not available.	pH	0.9-1.0 (50% Aqueous solution)
Freezing Point	Not available.	Vapor Pressure	8.1 mmHg/80C
Boiling Point/Range	Not available	Vapor Density	Not available
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available.	Evaporation Rate	Not available.
Flash Point	Not available	Autoignition temperature	Not available.
Flammability	Not available.	Flammability or Explosive Limits:	
		Lower	Not available.
		Upper	Not available.
Solubility(ies)	Not available		
Other	%Non-Vol(w/w) 70		

Section 10: Stability and Reactivity

Reactivity	Not available
Chemical Stability	Stable under normal conditions.
Hazardous Polymerization	Will not occur
Conditions to Avoid	High temperatures. Humid conditions
Incompatible Materials	Reducing agents.Oxidizers.Strong bases.
Hazardous Decomposition Products	Not available

Section 11: Toxicological Information

RTECS	Not available.				
Acute Toxicity					
Oral LD50	Rat	1950 mg/kg	Inhalation LC50	Rat	7100 mg/m3 Intravenous LD50
Cat	1 GM/KG	mg/kg			
Skin Corrosion/Irritation					
Severe Irritation					
Serious Eye Damage/Irritation					
Severe Irritation					
Respiratory or Skin Sensitization					
Did not cause sensitization on laboratory animals					
Germ Cell Mutagenicity					
Not available					
Carcinogenicity					
Not available					
Reproductive Toxicity					
Maternal effects: Other effects. Effects on Embryo or Fetus: Fetotoxicity(except death, e.g., stunted fetus). Specific developmental abnormalities: Musculoskeletal system					
Routes of Entry					
Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. Inhalation may result in spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache,nausea and vomiting.					



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Symptoms Related to Exposure

burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.

Potential Health Effects

Not available

Target Organ(s)

Not available

Section 12: Ecological Information

Ecotoxicity

Test Type: LC50 Fish Species: Brachydanio rerio Time: 96 hr. Value: 5,000 mg/l The data indicates that glycolic acid has a slight aquatic toxicity due to the shift in pH. Avoid contamination of the environment.

Persistence and Degradability

not available

Bioaccumulative Potential

Not available

Mobility in Soil

Not available

Other Adverse Effects

Not available

Section 13: Disposal Considerations

Waste Disposal

Dispose in accordance with all local, state, and federal regulations. Of the methods of disposal currently available, it is recommended that an alternative be selected according to the following order of preference, based upon environmental acceptability: (1) recycle or rework, if feasible; (2) incinerate at an authorized facility; or (3) treat at an acceptable waste treatment facility.

Disposal of Container

Federal regulations may apply to empty container. State and/or local regulations may be different.

Other Considerations

Not available

Section 14: Transport Information

DOT Classification

DOT, IATA and IMO Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s. (Glycolic Acid) UN#: 3265 Class: 8 Packing Group: II Hazard Label: Corrosive EmS Code: F-A, S-B

Section 15: Regulatory Information

Regulations

EU Additional Classification: Symbol of Danger: C Indication of Danger: Corrosive Risk Statements: Harmful if swallowed. Causes burns. Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately. US Classification and label text: Indication of Danger: Corrosive Risk Statements: Harmful if swallowed. Causes burns. Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately. United States Regulatory Information: Sara Listed: No TSCA Inventory Item: Yes CERCLA Hazardous Material: Yes Canada Regulatory Information: WHMIS Classification-E: CLASS E Corrosive material. 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. DSL: Yes NDSL: No

Other

Not available.

Section 16: Other Information



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Full text of H-Statements referred to under sections 2 and 3 Acute Tox. Acute toxicity Eye Dam. Serious eye damage H302
Harmful if swallowed H314 Causes severe skin burns and eye damage H318 Causes serious eye damage Skin Corr.
Skin corrosion Hazard Rating HMIS NFPA Health 3 3 Fire 0 0 Reactivity 0 0 Product Use Intermediate
synthesis, personal care, absorbable sutures, electronic materials The information contained herein relates only to the specific
material identified. CrossChem LP believes that such information is accurate and reliable as of the date of this material safety data
sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of
the information. CrossChem LP urges persons receiving this information to make their own determination as to the information's
suitability and completeness for their particular application.