

MATERIAL SAFETY DATA SHEET

1 OF 2

Section I: IDENTIFICATION

Product Name: Glycolic Acid, 20 – 70%

Date Prepared: 07/13/10

Item Number(s): 400443, 400451, 400453, 400473,
400643, 400644, 400727, 400729

Emergency Phone, Infotrac: 800-535-5053

Section II: COMPOSITION

<i>Hazardous Component(s):</i>	<i>CAS Number</i>	<i>OHSA PEL, ACGIH TLV/STEL(PPM)</i>	<i>NFPA</i>
Glycolic Acid 20 - 70%	79-14-1	NA	<i>Health</i> 3 <i>Flammability</i> 1 <i>Reactivity</i> 0

Note: Data collected reflects concentrated salt. Solutions as presented pose less of a hazard.

Section III: PHYSICAL DATA

<i>Boiling Point:</i>	~220°F	<i>Specific Gravity (H₂O = 1):</i>	>1
<i>Vapor Pressure mm Hg/20 °C:</i>	NA	<i>Percent Volatile by Vol:</i>	NA
<i>Vapor Density (Air 1:1):</i>	NA	<i>Evaporation Rate (ether = 1):</i>	>1
<i>Solubility in H₂O:</i>	Complete	<i>Appearance & Odor:</i>	Clear, odorless liquid

Section IV: FIRE/EXPLOSION HAZARD

Flash Point: Non-Flammable *Flammable Limits:* LEL: NA UEL: NA

Extinguishing Media: Water spray, dry chemical, CO₂ and foam

Special Fire Fighting Procedures: Wear protective clothing with NIOSH approved breathing apparatus. Products of combustion may be harmful in a fire situation. Do not use direct water stream.

Unusual Fire & Explosion Hazards: Usual precautions

Section V: REACTIVITY

Stability: Stable *Material to Avoid:* Strong bases, slightly corrosive to metals

Hazardous Decomposition or Byproducts: Oxides of carbon

Hazardous Polymerization: Does not occur *Conditions to Avoid:* Strong bases

Section VI: HEALTH HAZARDS

Routes of Entry: Inhalation, Skin and Ingestion *Target Organs:* Respiratory system, lungs

Acute/Chronic: Solution as offered will not cause a high level of health risk, however, it will burn eyes and result in skin irritation.

Carcinogenicity: Not classified as a human carcinogen.

Signs/Symptoms of Exposure: Skin, eyes and possible respiratory irritation.

HealthLink
3611 St. Johns Bluff Road, Suite 1, Jacksonville, FL 32224
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Section VI: HEALTH HAZARDS

Emergency First Aid:

Skin: Remove contaminated clothing. Wash affected area with soap and water.

Eyes: Thoroughly flush eyes with water. Contact a physician if irritation persists.

Ingestion: Rinse mouth with water, provided person is conscious and contact a physician.

Inhalation: Remove person to fresh air. If not breathing, give artificial respiration and contact physician.

Section VII: SAFE HANDLING

Chemical Release or Spill: Wear full protective clothing especially NIOSH approved respirator. Isolate the spill area with sand, or other absorbent material. Neutralize with sodium carbonate. Place all contaminated material in a closed container for proper disposal.

Waste Disposal Method: All liquid and or contaminated material should be disposed of in DOT approved waste containers. Comply with all Federal, State and Local regulations for disposal.

Precautions for Handling and Storing: Store in acid safety cabinet. Avoid excessive heat.

Section VIII: CONTROL MEASURES

Respiratory Protection: NIOSH approved respirator required.

Ventilation: Exhaust hood system for corrosives

Protective Gloves: Chemical resistant *Eye Protection:* Safety glasses

Other Protective Clothing or Equipment: Normal laboratory apparel suggested by Good Laboratory Practices

Work/Hygienic Practices: Wash thoroughly with soap and water after handling.

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. HealthLink shall not be held liable for any damage resulting from handling or contact with this product.

HealthLink, Inc
3611 St. Johns Bluff Road South, Suite 1, Jacksonville, FL 32224
904-996-7758