

MATERIAL SAFETY DATA SHEET

1 OF 2

Section I: IDENTIFICATION

Product Name: Lactic Acid 40-70%
Date Prepared: 01/17/08
Item Number(s): 400261, 400263
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>
Lactic Acid 70% (Corrosive Liquid)	50-21-5	NE	<i>Health</i> 3 <i>Flammability</i> 0 <i>Reactivity</i> 0

Section III: PHYSICAL DATA

<i>Boiling Point:</i>	~ 250°F	<i>Specific Gravity (H₂O = 1):</i>	~1.15
<i>Vapor Pressure mm Hg/20 °C:</i>	NE	<i>Percent Volatile by Vol:</i>	NA
<i>Vapor Density (Air 1:1):</i>	NE	<i>Evaporation Rate (ether = 1):</i>	NE
<i>Solubility in H₂O:</i>	Complete	<i>Appearance & Odor:</i>	Clear liquid, odorless

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: None Known

Section V: REACTIVITY

Stability: Stable *Material to Avoid:* Strong acid, oxidizing agents
Hazardous Decomposition or Byproducts: No
Hazardous Polymerization: Does not occur *Conditions to Avoid:* Nitric Acid

Section VI: HEALTH HAZARDS

Routes of Entry: Inhalation, Skin and Ingestion *Target Organs:* Respiratory system
Acute/Chronic: Corrosive burns may result from contact. Complications may occur due to circulatory shock or asphyxia.
Carcinogenicity: Not classified as a human carcinogen.
Signs/Symptoms of Exposure: Skin, eyes and mist may cause respiratory irritation.

MATERIAL SAFETY DATA SHEET

Lactic Acid 40-70%, 2 OF 2

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 persist.

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 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.
