HealthLink®
A family of Medical Products

MATERIAL SAFETY DATA SHEET

Section I: IDENTIFICATION

Product Name: **Acetic Acid, Glacial**

Date Prepared: 08/19/03 *Date Revised*:* 09/26/06
Item Number(s): 400435, 400436
Emergency Phone, Infotrac: 800-535-5053

Section II: COMPOSITION

Hazardous Component(s):		*CAS Number*	*OHSA PEL, ACGIH TLV/STEL(PPM)*		NFPA	
					Health	3
Acetic Acid	~100 % w/v	64-19-7	10	10/15	Flammability	2
					Reactivity	0

Section III: PHYSICAL DATA

Boiling Point: ~ 118°C
Specific Gravity (H_2O = 1): ~1.049
Vapor Pressure mm Hg/25 ℃: 15.7
Percent Volatile by Vol: NA
Vapor Density (Air 1:1): 2.07
Evaporation Rate (ether = 1): >0.97
Solubility in H_2O: Complete
Appearance & Odor: Clear liquid, pungent odor

Section IV: FIRE/EXPLOSION HAZARD

Flash Point: 39ºC CC *Flammable Limits:* LEL: 4% UEL: 19.9%
Extinguishing Media: Water spray, dry chemical, CO_2 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: May emits toxic fumes under combustion

Section V: REACTIVITY

Stability: Stable *Material to Avoid:* Reducing agents, metals, most powdered metals and strong acids
Hazardous Decomposition or Byproducts: Oxides of carbon
Hazardous Polymerization: Does not occur *Conditions to Avoid:* Normal Laboratory Care

Section VI: HEALTH HAZARDS

Routes of Entry: Inhalation, Skin and Ingestion *Target Organs:* Respiratory, digestive system
Acute/Chronic: Will cause burns upon contact of eyes, skin and respiratory tract. No long term effects known.
Carcinogenicity: Not classified as a human carcinogen.
Signs/Symptoms of Exposure: Skin, eyes and respiratory irritation.

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Section VI: HEALTH HAZARDS

Emergency First Aid:

Skin: Immediately wash contaminated area and remove clothing with soap and water.

Eyes: Thoroughly flush eyes with water. Contact a physician immediately.

Ingestion: Rinse mouth with water, provided person is conscious and contact a physician. Watch for latent pulmonary edema.

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

Section VII: SAFE HANDLING

Chemical Release or Spill: 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: Normal Laboratory Care

Section VIII: CONTROL MEASURES

Respiratory Protection: Not normally required.

Ventilation: Mechanical or General exhaust is sufficient

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.

*Change due to customer request. No substantial changes since prepared date.

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