

MATERIAL SAFETY DATA SHEET

Section I: IDENTIFICATION

Product Name: **ACETIC ACID 4%, Solution** *Date Prepared:* 04/16/03
Item Number(s): 3303
Emergency Phone: 800-441-0366

Section II: COMPOSITION

<i>Hazardous Component(s):</i>	<i>CAS Number</i>	<i>OHSA PEL, ACGIH TLV/STEL</i>		<i>NFPA</i>
Acetic Acid 4% w/v	64-19-7	NA	25/NA	Health 1 Flammability 0 Reactivity 0

Section III: PHYSICAL DATA

Boiling Point: ~ 212°F *Specific Gravity (H₂O = 1):* ~1
Vapor Pressure mm Hg/20°C: NE *Percent Volatile by Vol:* NA
Vapor Density (Air 1:1): NE *Evaporation Rate (ether = 1):* >1
Solubility in H₂O: Complete *Appearance & Odor:* Clear Liquid, Pungent Odor

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:* Reducing agents, metals, most powdered metals and strong acids
Hazardous Decomposition or Byproducts: Oxides of carbon and nitrogen
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 system
Acute/Chronic: Product is not expected to cause health hazards when utilizing good laboratory practices.
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: 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 thoroughly with water, provide 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: Isolate the spill area with sand, or other absorbent material. Place all contaminated material in close 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. Astraldiagnosics shall not be held liable for any damage resulting from handling or contact with this product.
