

***MSDS******Material Safety Data Sheet***

24 HOUR EMERGENCY  
TELEPHONE NUMBER  
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**Acetic Acid, 1%, w/v**

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**Section I: IDENTIFICATION**

*Product Name:* **ACETIC ACID 1%**, Solution  
*Azer Scientific Catalog Number(s):* ES610-16

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**Section II: COMPOSITION**

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

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**Section III: PHYSICAL DATA**

<i>Boiling Point:</i>	~ 212°F	<i>Specific Gravity (H<sub>2</sub>O = 1):</i>	~1
<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>	>1
<i>Solubility in H<sub>2</sub>O:</i>	Complete	<i>Appearance &amp; Odor:</i>	Clear Liquid, Pungent Odor

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**Section IV: FIRE/EXPLOSION HAZARD**

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

*Extinguishing Media:* Water Spray, Dry Chemical, CO<sub>2</sub> 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

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**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

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**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 persists.

**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.

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**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

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**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.

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