

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

AZER SCIENTIFIC™

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**Acetic Acid, 2%, w/v****Section I: PRODUCT IDENTIFICATION****Name:** 2% Acetic Acid Solution**Azer Scientific Product Number:** ES633-16, ES633-1G**Product Description:** Acetic Acid Solution**Cas No:** N/A for mixtures**Section II: HAZARDOUS INGREDIENTS / EXPOSURE LIMITS**

<b>Component(s):</b>	<b>CAS Number</b>	<b>OHSA PEL, ACGIH TLV/STEL</b>	
Acetic Acid 2% w/v	64-19-7	NA	25/NA

<b><u>NFPA</u></b>	Health	1
	Flammability	0
	Reactivity	0

**Section III: PHYSICAL / CHEMICAL COMPOSITION**

<b>Boiling Point:</b> 212°F	<b>Specific Gravity (H<sub>2</sub>O = 1):</b> ~1
<b>Vapor Pressure mm Hg/20°C:</b> NE	<b>Percent Volatile by Vol:</b> NA
<b>Vapor Density (Air 1:1):</b> NE	<b>Evaporation Rate (ether = 1) :</b> > 1
<b>Solubility in H<sub>2</sub>O:</b> Complete	<b>Appearance &amp; Odor:</b> Clear Liquid/ Pungent Odor

**Section IV: FIRE/EXPLOSION HAZARD DATA****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 DATA**

*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 HAZARD DATA**

*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.

### **\*\*\*\*\* Emergency First Aid \*\*\*\*\***

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

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

*Ingestion:* Rinse mouth thoroughly 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.

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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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