

MSDS**Material Safety Data Sheet**

24 HOUR EMERGENCY TELEPHONE NUMBER CALL CHEMTREC 1-800-424-9300
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Acetic Acid, 10%, w/v**Section I: PRODUCT IDENTIFICATION****Name:** 10% Acetic Acid Solution**Azer Scientific Product Number:** ES637-16, ES637-1G**Product Description:** Acetic Acid Solution**Cas No:** 64-19-7**Section II: HAZARDOUS INGREDIENTS / EXPOSURE LIMITS**

<u>Component(s):</u>	<u>CAS Number</u>	<u>OHSA PEL, ACGIH TLV/STEL</u>	
Acetic Acid 10% w/v	64-19-7	NA	25/NA

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

Section III: PHYSICAL / CHEMICAL COMPOSITION

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 DATA

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 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.

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.

Section VII: SAFE HANDLING

Chemical Release or Spill: Isolate the spill area with sand, or other absorbent material. Place all contaminated material in 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.

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