

MSDS***Material Safety Data Sheet***

24 HOUR EMERGENCY TELEPHONE NUMBER CALL CHEMTREC 1-800-424-9300
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Acetic Acid, 5%, w/v

Section I: PRODUCT IDENTIFICATION

Name: 5% Acetic Acid Solution

Azer Scientific Product Number: ES635-16, ES635-32, ES635-1G

Product Description: Acetic Acid Solution

Cas No: 64-19-7

Formula: NA

Section II: HAZARDOUS INGREDIENTS / EXPOSURE LIMITS

<i>Component(s):</i>	<i>CAS Number</i>	<i>OHSA PEL, ACGIH TLV/STEL</i>	
Acetic Acid 5% w/v	64-19-7	NA	25/NA

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

Section III: PHYSICAL / CHEMICAL COMPOSITION

<i>Boiling Point:</i>	~212°F	<i>Specific Gravity (H₂O = 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 H₂O:</i>	Complete	<i>Appearance & Odor:</i>	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 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.

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