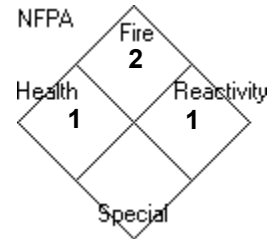


MSDS - Material Safety Data Sheet**Product Name: S-3 Ampoule Reagent**

MSDS No.: SF298S3

I. Basic Information:**Manufacturer:** Sirchie Finger Print Laboratories**Address:** 100 Hunter Place**City, ST Zip:** Youngsville, NC 27596**Emergency Contact:** ChemTrec**Emergency Telephone Number:** 800-424-9300**Contact:** Tech Support**Information Telephone Number:** 919-554-2244**Last Update:** 02/02/2011**Expiration Date:****Chemical State:** Liquid Gas Solid**Chemical Type:** Pure Mixture

1	Health
2	Flammability
1	Reactivity
H	Pers. Protection

II. Ingredients: Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z	313					
64197	Acetic acid	>1						10 ppm	10 ppm	103 F	
7732185	Water (Distilled)	<99						None	None	212 F	

III. Hazardous Identification:**Hazard Category:**
 Acute Chronic Fire Pressure Reactive
Hazardous Identification Information:

Flammable. May cause respiratory and digestive tract burns. May cause skin and eye burns.

IV. First Aid Measures:**Route(s) of Entry:**

Inhalation, ingestion, skin, eyes

Health Hazards (Acute and Chronic):

Acute: Possible skin and eye burns

Chronic: Dermatitis, chronic bronchitis, erosion of teeth

Signs and Symptoms:

Ingestion: Severe pain, nausea, vomiting, diarrhea, shock

Medical Conditions Generally Aggravated by Exposure:

Skin, respiratory, eye diseases

Emergency and First Aid Procedures:

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Inhalation: Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen (To be administered by qualified medical personnel only!) Get medical attention.

Ingestion: DO NOT induce vomiting. If victim is conscious and alert, give 2-4 cups of milk or water. (Never give anything by mouth to an unconscious person!) Get medical attention immediately.

Skin: Flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing. Seek medical attention.

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Do not allow victim to rub or keep eyes closed. Get medical aid immediately.

Other Health Warnings:

V. Fire Fighting Measures:

Flash Point: 103 F

Lower Explosive Limit: 5.4%

Upper Explosive Limit: 16.0%

F.P. Method:

Fire Extinguishing Media: Dry chemical, carbon dioxide, water spray, alcohol-resistant foam

Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing. Water may be used to cool fire-exposed containers.

Unusual Fire and Explosion:

Reacts with most metals to form combustible hydrogen gas.

"Empty" containers may contain product residue and may be dangerous. Empty containers should be completely drained and bunged and then disposed of according to local, state, and federal regulations.

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

Wear vapor respirator, safety goggles, and rubber gloves. Remove sources of ignition (i.e. open flames, sparks). Use water spray to dilute to a non-flammable mixture. Soak up with inert absorbent material (dry soda ash or calcium carbonate recommended; do not use flammable substances such as sawdust). Ventilate and wash spill site with soap and water after collection. Dispose according to local, state, and federal regulations.

VII. Handling and Storage:

Precautions to be Taken:

Keep in closed container. Protect from freezing. Keep cool and dry. Avoid ignition sources (heat, open flame, spark). Avoid incompatible materials. Use only in well-ventilated areas. Avoid contact with skin and eyes. Avoid inhalation and ingestion. Wash thoroughly after handling.

Other Precautions:

"Empty" containers may contain product residue and may be dangerous. Empty containers should be completely drained and bunged and then disposed of according to local, state, and federal regulations.

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

Use only in well-ventilated areas.

Personal Protective Equipment:

Safety goggles, gloves, vapor respirator, protective clothing

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IX. Physical and Chemical Properties:

Boiling Point: 118 C

Melting Point: 16.7 C

Evaporation Rate (Butyl Acetate = 1): 0.97

Vapor Pressure (mm Hg.): 11.4

Specific Gravity (H2O = 1):

Vapor Density (AIR = 1): 2.07

Solubility In Water: Soluble; releases heat/vapor

Appearance and Odor: Clear liquid; vinegar odor

Other Information:

X. Stability and Reactivity:

Stability:

Stable at room temperature in closed containers under normal storage and handling conditions.

Incompatibility (Materials to Avoid):

Acetaldehyde, 2-aminoethanol, ammonium nitrate, bromine pentafluoride, chlorine trifluoride, acids, anhydrides, diallyl methyl carbinol + ozone, ethylene diamine, ethyleneimine, peroxides, acetone, oleum, permanganates, phosphorus isocyanate, phosphorus trichloride, hydroxides, potassium t-butoxide, xylene, metals, ignition sources (heat, open flame, spark). See NFPA Fire Protection guide for all acetic acid incompatibility specifics.

Decomposition/By Products:

Carbon monoxide and dioxide, combustible hydrogen gas

Hazardous Polymerization:

Has not been reported.

XI. Toxicological Information:

Flammable. May cause respiratory and digestive tract burns. May cause skin and eye burns.

XII. Ecological Information:

Prevent from entering sewers or waterways. May be toxic to some aquatic life.

XIII. Disposal Considerations:

Dispose according to local, state, and federal regulations.

XIV. Transport Information:

Keep in closed container. Protect from freezing. Keep cool and dry. Avoid ignition sources (heat, open flame, spark). Avoid incompatible materials. Avoid contact with skin and eyes. Avoid inhalation and ingestion. Wash thoroughly after handling.

XV. Regulatory Information:

All ingredients are listed on the TSCA inventory.

Acetic acid is listed as a Hazardous Substance under the Clean Water Act.

XVI. Other Information:

Using this product under normal, properly instructed procedures should not be hazardous.

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