

MSDS - Material Safety Data Sheet

Product Name: Gunpowder Particle Reagent A

MSDS No.: GPD01

I. Basic Information:

Manufacturer: Sirchie Finger Print Laboratories
Address: 100 Hunter Place
City, ST Zip: Youngsville, NC 27596
Country: USA

Contact: Tech Support
Information Telephone Number: 919-554-2244
Emergency Contact: ChemTrec
Emergency Telephone Number: 800-424-9300
Emergency Restrictions:

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Issue Date: 04/26/2012

Supersedes Date: Not Available

II. Hazards Identification:

EMERGENCY OVERVIEW

May be harmful if inhaled, ingested, or absorbed by the skin. Respiratory and digestive tract irritant. Skin and eye irritant.

The chemical, physical, and toxicological properties of sulfanilic acid and alpha-1-naphthylamine hydrochloride have not been thoroughly investigated.

OSHA Regulatory Status

Not Available

Potential Health Effects

Route(s) of Entry:

Inhalation, ingestion, skin, eyes

Health Hazards (Acute and Chronic):

Not Available

Signs and Symptoms:

Not Available

Medical Conditions Generally Aggravated by Exposure:

Skin, eye, respiratory diseases

Other Health Warnings:

Not Available

Potential Environmental Effects

Not Available

III. Composition/Information on Ingredients:

Chemical Name	CAS No.	% Range	Trade Secret
alpha-1-Naphthylamine hydrochloride	552465	24.81	
Sulfanilic acid	121573	75.19	

IV. First Aid Measures:

Emergency and First Aid Procedures:

MSDS - Material Safety Data Sheet

Product Name: Gunpowder Particle Reagent A

MSDS No.: GPD01

Inhalation: Remove to fresh air. If breathing becomes difficult, give oxygen (To be administered by qualified medical personnel only!) If breathing stops, perform artificial respiration. Seek medical attention.

Ingestion: If victim is conscious and alert, wash mouth out with water. (Never give anything by mouth to an unconscious person!) Induce vomiting. Lower the head so that the vomit will not re-enter the mouth and throat. Seek medical attention.

Skin: Wash with soap and water. Remove contaminated clothing. Be particularly careful to clean folds, crevices, and creases. Cover the affected area with an emolient. Seek medical attention.

Eyes: Rinse with plenty of water for 15 minutes. Do not use eye ointment. Seek medical attention.

Note to Physicians:

Not Available

V. Fire Fighting Measures:

Suitable Extinguishing Media:

Water spray or fog, carbon dioxide, dry chemical powder, appropriate foam, carbon dioxide

Unsuitable Extinguishing Media:

Wear self-contained breathing apparatus and protective clothing.

Products of Combustion:

Not Available

Protection of Firefighters:

Not Available

VI. Accidental Release Measures:

Personal Precautions:

Not Available

Environmental Precautions:

Not Available

Methods for Containment:

Not Available

Methods for Cleanup:

Not Available

Other Information:

Wear dust respirator, safety goggles, and heavy rubber gloves. Stop leak if without risk. Remove all ignition sources (heat, open flame, spark). Dike if needed. Sweep up and place in bag or vacuum up with proper filter equipped instrument. Avoid creating dust. Ventilate and wash spill site after collecting solid. Dispose according to local, state, and federal regulations.

VII. Handling and Storage:

Handling Precautions:

Keep in tightly closed container. Keep cool and dry. Avoid incompatible materials. Avoid ignition sources (heat, open flame, spark). Avoid excessive light. Use only in well-ventilated areas. Avoid inhalation and ingestion. Avoid contact with skin, eyes, and clothing. Avoid prolonged or repeated contact. Wash thoroughly after handling.

Storage Precautions:

Not Available

VIII. Exposure Controls/Personal Protection:

Chemical Name	OSHA PEL	ACGIH TLV	Other Limits
Sulfanilic acid	NE	NE	Not Available
alpha-1-Naphthylamine hydrochloride	NE	NE	Not Available

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Engineering Controls:

Use only in well-ventilated areas.

Personal Protective Equipment:

Safety goggles, rubber gloves, dust respirator, protective clothing

IX. Physical and Chemical Properties:

Boiling Point: NE

Boiling Range: Not Available

Solubility In Water: Soluble

Flash Point: NE

Odor Threshold: Not Available

Vapor Density (AIR = 1): NE

pH Range: Not Available

Decomposition Temp: Not Available

Lower Explosive Limit: NE

Specific Gravity (H2O = 1): Not Available

Other Information: Not Available

Melting Point: NE

Freezing Point: Not Available

Evaporation Rate (Butyl Acetate = 1): NE

Flash Point Method: Not Available

Appearance and Odor: White powder

Vapor Pressure (mm Hg.): NE

Partition Coefficient: Not Available

Auto-Ignition Temp: Not Available

Upper Explosive Limit: NE

X. Stability and Reactivity:

Stability:

Stable if stored under proper conditions.

Conditions to Avoid:

Not Available

Incompatible Materials:

Strong oxidizing agents, strong acids, strong bases

Hazardous Decomposition Products:

Carbon oxides, nitrogen oxides, halogenated compounds, sulfur oxides, excessive light, ignition sources (heat, open flame, spark)

Possibility of Hazardous Reactions:

Does not occur.

XI. Toxicological Information:

The toxicological properties of sulfanilic acid and alpha-1-naphthylamine hydrochloride have not been thoroughly investigated.

XII. Ecological Information:

Prevent from entering sewers or waterways.

XIII. Disposal Considerations:

Dispose according to local, state, and federal regulations.

XIV. Transport Information:

Shipping Name: Not Available

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DOT Hazard Class: Not Available

DOT Subsidiary Hazard Class: Not Available

UN/NA#: Not Available

Packing Group: Not Available

Transportation Information:

Keep in tightly closed container. Keep cool and dry. Avoid incompatible materials. Avoid ignition sources (heat, open flame, spark). Avoid excessive light. Avoid inhalation and ingestion. Avoid contact with skin, eyes, and clothing. Avoid prolonged or repeated contact. Wash thoroughly after handling.

IATA

Shipping name: Alpha-naphthylamine

Hazard class: 6.1

UN no.: 2077

Packing group: III

Toxic!

XV. Regulatory Information:

Not Available

XVI. Other Information:

- Chemical State:** Liquid Gas Solid
- Chemical Type:** Pure Mixture
- Hazard Category:**
- Acute Chronic Fire
- Pressure Reactive



Additional Manufacturer Warnings:

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

2	Health
1	Flammability
1	Physical Hazard
F	Pers. Protection

Additional Product Information:

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.