

MSDS - Material Safety Data Sheet**Product Name: Gunpowder Particle Reagent B****MSDS No.: GPD02****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:

Product Name: Gunpowder Particle Reagent B
MSDS No.: GPD02

Issue Date: 04/26/2012**Supersedes Date:** Not Available**II. Hazards Identification:****EMERGENCY OVERVIEW**

Flammable. Respiratory and digestive tract irritant. Skin and eye irritant. Aspiration hazard. May cause central nervous system depression.

This material is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

OSHA Regulatory Status

Not Available

Potential Health Effects**Route(s) of Entry:**

Inhalation, ingestion, skin, eyes

Health Hazards (Acute and Chronic):

Acute: May cause bronchiopneumonia or pulmonary edema if aspirated into lungs.

Chronic: Dermatitis

Signs and Symptoms:

Inhalation: Headaches, dizziness, anesthesia

Ingestion: Vomiting

Medical Conditions Generally Aggravated by Exposure:

Skin, eye, respiratory, kidney, central nervous system diseases

Other Health Warnings:

Not Available

Potential Environmental Effects

Not Available

III. Composition/Information on Ingredients:

Chemical Name	CAS No.	% Range	Trade Secret
Citric acid	77929	>1.0	
Isopropyl alcohol	67630	70.0	
Water (Distilled)	7732185	<29.0	

IV. First Aid Measures:**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!) Keep victim at rest. Get medical attention.

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

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

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.

Note to Physicians:

Not Available

V. Fire Fighting Measures:

Suitable Extinguishing Media:

Dry chemical, carbon dioxide, alcohol-resistant foam

Unsuitable Extinguishing Media:

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

Products of Combustion:

Explosion hazard--may form explosive peroxides. Containers may explode in the heat of fire. Vapors from this product may travel some distance from original point to an ignition source and flash back.

"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.

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 vapor respirator, safety goggles, and rubber gloves. Prevent additional discharge of material, if possible to do so without risk. Remove sources of ignition (i.e. open flames, sparks). Soak up with inert absorbent material (sand or earth recommended; do not use flammable substances such as sawdust). Dispose according to local, state, and federal regulations.

VII. Handling and Storage:

Handling Precautions:

Keep in tightly closed container. Protect from direct sunlight. Keep cool and dry. Avoid all ignition sources (heat, open flame, spark). Avoid incompatible materials. Electrically bond and ground all containers and equipment before transfer or use of material. Use only in well-ventilated areas. Avoid contact with skin and eyes. Avoid inhalation and ingestion. Wash thoroughly after handling.

Storage 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.

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VIII. Exposure Controls/Personal Protection:

Chemical Name	OSHA PEL	ACGIH TLV	Other Limits
Isopropyl alcohol	400 ppm	400 ppm	53 F
Water (Distilled)	None	None	212 F
Citric acid	Not Available	Not Available	Not Available

Engineering Controls:

Use only in well-ventilated areas.

Personal Protective Equipment:

Safety goggles, gloves, vapor respirator, protective clothing

IX. Physical and Chemical Properties:**Boiling Point:** 180 F**Boiling Range:** Not Available**Solubility In Water:** 100.00 wt. %**Flash Point:** 53 F**Odor Threshold:** Not Available**Vapor Density (AIR = 1):** >1.00**pH Range:** Not Available**Decomposition Temp:** Not Available**Lower Explosive Limit:** 2.0**Specific Gravity (H₂O = 1):** Not Available**Other Information:** Not Available**Melting Point:** -128 F**Freezing Point:** Not Available**Evaporation Rate (Butyl Acetate = 1):** 2.3**Flash Point Method:** Not Available**Appearance and Odor:** Clear liquid; alcohol odor**Vapor Pressure (mm Hg.):** 36**Partition Coefficient:** Not Available**Auto-Ignition Temp:** Not Available**Upper Explosive Limit:** 12.7**X. Stability and Reactivity:****Stability:**

Stable. Moderate risk of peroxide formation.

Conditions to Avoid:

Not Available

Incompatible Materials:

Caustics, amines, alkanolamines, aldehydes, strong oxidizing agents, chlorinated compounds, ignition sources (heat, open flame, spark)

Hazardous Decomposition Products:

Explosive peroxides, carbon monoxide and dioxide

Possibility of Hazardous Reactions:

Has not been reported.

XI. Toxicological Information:

Flammable. Respiratory and digestive tract irritant. Skin and eye irritant. Aspiration hazard. May cause central nervous system depression.

XII. Ecological Information:

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

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XIII. Disposal Considerations:

Dispose according to local, state, and federal regulations.

XIV. Transport Information:

Shipping Name: Not Available

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. Protect from direct sunlight. Keep cool and dry. Avoid all ignition sources (heat, open flame, spark). Avoid incompatible materials. Electrically bond and ground all containers and equipment before transfer or use of material. Avoid contact with skin and eyes. Avoid inhalation and ingestion. Wash thoroughly after handling.

IATA

Shipping name: Isopropyl alcohol solution
Hazard class: 3
UN no.: 1219
Packing group: II
Flammable liquid!

XV. Regulatory Information:

All ingredients are listed on the TSCA inventory.

This material is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

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.

1	Health
4	Flammability
1	Physical Hazard
H	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.