

MSDS - Material Safety Data Sheet

Product Name: *FAC II SILVER/REDescent*

MSDS No.: FAC404

I. Basic Information:

Manufacturer: Sirchie Finger Print Laboratories

Address: 100 Hunter Place

City, ST Zip: Youngsville, NC 27615

Emergency Contact: ChemTrec

Emergency Telephone Number: 800-424-9300

Contact: Tech Support

Information Telephone Number: 919-554-2244

Last Update: 11/10/2008

Expiration Date:

Chemical State: Liquid Gas Solid

Chemical Type: Pure Mixture



1	Health
2	Flammability
1	Reactivity
F	Pers. Protection

II. Ingredients:

Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA 313		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z						
7429905	Aluminum	32							5 mg/m3	5 mg/m3	1,094 F
0	Lycopodium	5							NE	NE	
0	Rocket red AX pigment	63							15 mg/m3	15 mg/m3	

III. Hazardous Identification:

Hazard Category:

Acute Chronic Fire Pressure Reactive

Hazardous Identification Information:

May be dangerous if ingested. Respiratory tract irritant. Skin irritant. Severe eye irritant.

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

IV. First Aid Measures:

Route(s) of Entry:

Inhalation, ingestion, skin, eyes

Health Hazards (Acute and Chronic):

Chronic: Dermatitis, respiratory sensitization

Signs and Symptoms:

Eyes: Inflammation, redness, watering, itching

Medical Conditions Generally Aggravated by Exposure:

Skin, eye, respiratory diseases

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Emergency and First Aid Procedures:

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. Keep victim warm and at rest. Seek medical attention.

Ingestion: If victim is conscious and alert, give large quantities of water. (Never give anything by mouth to an unconscious person!) DO NOT induce vomiting. If vomiting occurs, lower the head so that the vomit will not re-enter the mouth and throat. Seek medical attention.

Skin: Wash with soap and water. If irritation occurs, seek medical attention.

Eyes: Rinse with plenty of water for 15 minutes. Seek medical attention. DO NOT use an eye ointment.

Convulsions: Do not restrain the victim, but do remove objects with which they might injure themselves; or, orient the victim to prevent them from striking fixed heavy objects. If the convulsions cease, turn the victim on their side or face down, so that any fluid in the mouth can drain.

Other Health Warnings:

V. Fire Fighting Measures:

Flash Point: NE

Lower Explosive Limit: 0.035

Upper Explosive Limit: NE

F.P. Method:

Fire Extinguishing Media: Dry sand, dry inert granular material or powder, approved dry powder extinguishing agent--DO NOT use water

Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing. Cool containers with water jet in order to prevent pressure build-up, autoignition, or explosion.

Unusual Fire and Explosion:

May react with water to form combustible hydrogen gas. Can pose dust explosion hazard if dispersed in air.

VI. Accidental Release Measures:

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

Wear dust respirator, safety goggles, and rubber gloves. 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:

Precautions to be Taken:

Keep in tightly closed container. Keep cool and dry. Avoid all ignition sources (heat, open flame, spark). Avoid incompatible materials. Ground all equipment containing material. Avoid dust creation and accumulation. Use only in well-ventilated areas. Avoid inhalation and ingestion. Avoid contact with eyes. Wash thoroughly after handling.

Other Precautions:

DO NOT wear contact lenses when using this material.

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

Use only in well-ventilated areas.

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Personal Protective Equipment:

Safety goggles, gloves, dust respirator, protective clothing

IX. Physical and Chemical Properties:

Boiling Point: 3,733 F

Melting Point: 1,220 F

Evaporation Rate (Butyl Acetate = 1): N/A

Vapor Pressure (mm Hg.): 1

Specific Gravity (H2O = 1):

Vapor Density (AIR = 1): N/A

Solubility In Water: Insoluble

Appearance and Odor: *

Other Information: * Appearance & Odor: Silver/red powder; hydrocarbon odor

X. Stability and Reactivity:

Stability:

Stable

Incompatibility (Materials to Avoid):

Acids, strong alkalis, strong bases, strong oxidizers, iodates, chlorinated hydrocarbons, oxides, nitrites, nitrates, carbon disulfide, chlorides, sodium peroxide + carbon dioxide, sulfur dichloride, palladium, manganese, magnesium + potassium chlorate, sodium carbonate, sulfates, diborane, water, ignition sources (heat, open flame, spark)

Decomposition/By Products:

Combustible hydrogen gas, carbon oxides, nitrogen oxides, sulfur oxides

Hazardous Polymerization:

Will not occur.

XI. Toxicological Information:

Rocket red AX pigment contains less than 0.1% free formaldehyde and may be capable of outgassing formaldehyde at levels in excess of OSHA's action level under some conditions of use.

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 tightly closed container. Keep cool and dry. Avoid all ignition sources (heat, open flame, spark). Avoid incompatible materials. Ground all equipment containing material. Avoid dust creation and accumulation. Avoid inhalation and ingestion. Avoid contact with eyes. Wash thoroughly after handling.

XV. Regulatory Information:

Lycopodium is hazardous by definition of OSHA Hazard Communication Standard (29 CFR 1910.1200).

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XVI. Other Information:

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

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.