

MSDS - Material Safety Data Sheet**Product Name: BLUEcharge Fluorescent Magnetic Powder (Discontinued)**

MSDS No.: LL604/2

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:** 01/27/2011**Expiration Date:****Chemical State:** Liquid Gas Solid**Chemical Type:** Pure Mixture

1	Health
1	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						
0	Horizon blue T pigment	<20							5 mg/m3	10 mg/m3	
7439896	Iron	<40.5							10 mg/m3	5 mg/m3	2,795 F
0	Lycopodium	22							NE	NE	
147148	Phthalocyanine blue	>13							5 mg/m3	10 mg/m3	300 C
13463677	Titanium dioxide	>3.5							15 mg/m3	10 mg/m3	5 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. May cause siderosis.

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, siderosis

Signs and Symptoms:

Eyes: Inflammation, redness, watering, itching

Medical Conditions Generally Aggravated by Exposure:

Skin, eye, respiratory diseases

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MSDS No.: LL604/2

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. 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: NE

Upper Explosive Limit: NE

F.P. Method:

Fire Extinguishing Media: Dry chemical, sand, graphite

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:

Can pose dust explosion hazard if dispersed in air.

"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 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. Use only in well-ventilated areas. Avoid dust generation and accumulation. Avoid ingestion and inhalation of dust. Avoid contact with eyes. Wash thoroughly after handling.

Other Precautions:

DO NOT wear contact lenses while using this product.

"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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MSDS No.: LL604/2

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

Use only in well-ventilated areas.

Personal Protective Equipment:

Safety goggles, gloves, dust respirator, protective clothing

IX. Physical and Chemical Properties:

Boiling Point: 300 C

Melting Point: 2,795 F

Evaporation Rate (Butyl Acetate = 1): NE

Vapor Pressure (mm Hg.): NE

Specific Gravity (H₂O = 1):

Vapor Density (AIR = 1): NE

Solubility In Water: Not established

Appearance and Odor: Blue powder

Other Information:

X. Stability and Reactivity:

Stability:

Normally stable

Incompatibility (Materials to Avoid):

Pure oxygen, strong oxidizers, ignition sources (heat, open flame, spark)

Decomposition/By Products:

Carbon monoxide and dioxide, nitrous oxides, hydrogen chloride, sulfur oxides

Hazardous Polymerization:

Will not occur.

XI. Toxicological Information:

Prolonged inhalation of iron oxide dust is known to produce a condition known as siderosis. On x-rays, it appears to be a benign pneumoconiosis, and is not associated with pulmonary fibrosis or disability unless there is concurrent exposure to other fibrosis-producing materials such as silica. The TLV is set to protect against siderosis.

Horizon blue T 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. Formaldehyde is a potential cancer hazard.

Phthalocyanine blue may contain up to 25 ppm polychlorinated biphenyls (PCB's). PCB's are a potential cancer hazard.

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.

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MSDS No.: LL604/2

XIV. Transport Information:

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XV. Regulatory Information:

Phthalocyanine blue and horizon blue T pigment are listed on the TSCA inventory. Phthalocyanine blue is in full compliance with Section 6(e) of TSCA, 15 USC, 2605(e) regarding inadvertently generated polychlorinated biphenyls (PCB's).

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

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

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.