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Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: BARIFINE: BF-1, BF-10, BF-20, BF-20F, BF-20P, BF-21, BF-40
Generic Description: BARIUM SULFATE
Manufacturer: CIMBAR Performance Minerals
Address: 25 Old River Road-Cartersville, GA 30120
Phone: (770) 387-0319 or (800)-852-6868
Emergency Phone: (800)-666-9260

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Chemical Name: Barium Sulfate
CAS #: 7727437 (Concentration: 94-100%)
Hazardous Identification Information: There are no minor components that are not part of the make-up matrix of these products. The amount of respirable silica is less than 0.1% at 10 microns.

3. HAZARD IDENTIFICATION

Routes of Entry: INHALATION-EYE-CONTACT-SKIN CONTACT-INGESTION
Carcinogenic Status: NONE
Target Organs: EYE-LUNG
Health Effect-Eyes: Direct contact with dust may cause mechanical irritation of the eyes.
Health Effects-Skin: Direct contact may cause slight dryness, or may cause mild irritation.
Health Effects-Ingestion: Barite is considered to be relatively non-toxic due to non-absorption.
Health Effects-Inhalation: Inhalation of fine barite dust may cause irritation of the nose and throat by mechanical action.
Other Health Warnings: NA

4. FIRST AID MEASURES

First Aid-Eyes: Wash eyes with large amounts of water or normal saline solution. If irritation or redness develops, seek medical attention.
First Aid-Skin: Apply common skin moisturizers to relieve dryness. Irritations are uncommon; however, if irritation or redness develops, seek medical attention. Broken skin can be cleansed with mild soap and water.
First Aid-Ingestion: Barite is considered to be relatively non-toxic due to non-absorption.
First Aid-Inhalation: Remove from exposure to fresh air. If breathing has stopped, perform artificial respiration and get medical attention immediately. Keep person warm and at rest. Treat symptomatically and supportively.
Emergency Eye Wash: When there is a possibility that an employee's eyes may be exposed to bulk quantities or high concentrations of airborne dust of this substance, the employer should provide an eye wash fountain within the immediate work area for emergency.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Not readily combustible. Select extinguishing agent appropriate to other materials involved.
Special Hazards of Product: Avoid the formation of dust clouds
Protective Equipment for Fire-fighting: No specific measures necessary

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures No specific measures necessary

7. HANDLING AND STORAGE

Handling: Preserve in sealed containers to prevent dispersion of dust in air.

Storage: Store in original containers. Storage area should be away from incompatible materials and in cool, dry, well-ventilated and protected areas

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards: OSHA TWA(respirable dust)-5 mg/m³; ACGIH, OSHA TWA(total dust)-10 mg/m³

Engineering Control Measures: Engineering methods to prevent or control exposure are preferred. If they are not effective, then suitable personal protective should be used.

Respiratory Protection: The specific respirator selected must be based on the airborne concentration found in the workplace and must not exceed the working limits of the respirator.

Hand Protection: Protective gloves are not required, but may be worn to prevent skin dryness or irritation.

Eye Protection: Dust tight goggles

Body Protection: Normal work wear

Emergency Eye Wash: When there is a possibility that an employees eyes may be exposed to bulk quantities or high concentrations of airborne dust of this substance, the employer should provide an eye wash fountain within the immediate work area for emergency.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: na Melting Point: na

Evaporation Rate: na

Vapor Pressure(mm Hg): na

Vapor Density(Air=1): na

Solubility in water: Insoluble in Water

Appearance and Odor: White to tan colored powder; odorless

Other Information Hardness: 2.5-3.5 MOHS

10. STABILITY AND REACTIVITY

Stability: Stable under normal temperatures and pressures

Incompatibility: None reported at normal temperatures and pressures. Aluminum powder and phosphorus at 1580° C.

Decomposition/By Products: None reported at normal temperatures and pressures. Thermal decomposition products may include oxides of sulfur and barium oxides at 1580° C.

Hazardous Polymerization: Hazardous polymerization has not been reported to occur under normal temperatures and pressures. This is a natural inorganic mineral.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Tumorigenic data(RTECS), Mutagenic data(RTECS)

Chronic Toxicity/Carcinogenicity: Inhaled fine dusts of barium sulfate form harmless nodular granules in the lung(baritosis).Baritosis produces no symptoms of bronchitis or emphysema.Lung functioning is not affected, although some patients complain of dyspnea upon exertion.

Genotoxicity: None

Reproductive/Developmental Toxicity: None

12. ECOLOGICAL INFORMATION

Mobility: The product is insoluble in water

Persistence/Degradability: No relevant studies identified

Bio-Accumulation: No relevant studies identified

Ecotoxicity: No relevant studies identified

13. DISPOSAL

Product Disposal Dispose of in accordance with all applicable local and national regulations

Container Disposal Dispose of containers with care

14. TRANSPORT INFORMATION

This substance is not regulated as a hazardous material by DOT

15. REGULATORY INFORMATION

TSCA Listed: Yes

Substances on the New Jersey workplace hazardous substances list present at a concentration of 1% or more(0.1% for substances identified as carcinogens)

NPCA Association-HMIS: Health Hazard-1(slight), Flammability Hazard-0 minimal, Reactivity Hazard-0 minimal, Personal protection-E glasses, gloves dust respirator

16. OTHER INFORMATION\CONTACT

The information contained herein is based on data available to CIMBAR Performance Minerals and is believed to be correct. However, CIMBAR Performance Minerals makes no warranty, expressed or implied, regarding the accuracy or completeness of this information or the results to be obtained from the use thereof.

CIMBAR Performance Minerals

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