



Product MSDS

Material Safety Data Sheet Barium Sulfate

Section I: Product and Company Identification

Chemical Name: Barium Sulfate

Product Name: Product 1, Product 2, Product 3

Company: Superior Weighting Products, LLC

Address: 11767 Katy Fwy., Ste 230, Houston, Texas 77079-1711, USA

Phone:

Fax:

Section II: Composition / Information of Products

CAS Number: 7727-437

Chemical Formula: BaSO₄

Ingredients: Barium Sulfate (70-100%)

Small amounts of crystalline silica are present, not sufficient to report.

Section III: Hazardous Identification

Precautions:

Use mineral in well ventilated area.

Avoid direct eye contact, skin and inhalation.

Place product in a secure location.

Wash hands after being in contact with the mineral.

Barite is considered a non-toxic chemical because it is non-absorbent.

Hazard Warning:

May cause irritation to eyes, skin and respiratory tract.

Section IV: First Aid Measures

Eye Contact: Wash eyes thoroughly with warm water.

If irritation develops please contact your medical provider for attention.

Skin Contact: Wash hands thoroughly after use. Gloves can be used to avoid contact.

Inhalation: Move to a ventilated area where there is fresh air. Seek medical advice if there is difficulty breathing.

Ingestion: Barite is considered to be relatively non-toxic due to non-absorption.

Section V: Fire Fighting Measures

Product Flammability: Not flammable. Always have a fire extinguisher near by for emergencies.

Flash Point: N/A

Upper and Lower Flammable Limits: N/A

Hazardous Combustion: N/A

NFPA: Health 1, Flammability 0, Reaction 0

Precautions: Avoid formation clouds of mineral.

Section VI: Accidental Release Measures

Use proper equipment to clean area when a spill has occurred.

No cautionary or special measures necessary.

Section VII: Handling and Storage

Maintain in well-sealed container. Store in dry, cool, well ventilated and protected area.

Don't mix with inappropriate materials, this cause product to become contaminated.

Section VIII: Exposure Control / Personal Protection

Work Exposure Standards: OSHA Permissible Exposure Limit (PEL) which indicates 15mg / m³ total dust, 5mg / m³ respirable fraction for nuisance dusts.

OSHA TWA-5 mg /m³ respirable dust, ACGIH, OSHA TWA – 10mg / m³ total dust.

Eye Protection: Eye goggles, if eyes are exposed to product wash thoroughly with water.

Body Protection: Industry working clothes.

Respiratory Protection: If exposure occurs in excess, a face dust / mist respirator may be worn.

Please read instructions manual on respirator, it may have to be replaced every 8-12 uses.

Hand Protection: Gloves may used to prevent skin dryness and / or irritation.

Air Circulation Procurement: A general exhaust is recommended to keep employees with standard exposure limit.

Section IX: Physical and Chemical Properties

Appearance and Odor: White, Gray and Tan – Odorless.

Solubility: Insoluble in water.

Boiling Point: N/A

Melting Point: 2876 Fahrenheit

Vapor Pressure (mm hg): No data

Vapor Density (Air=1): No data

Evaporation Rate: No data

Mineral Hardness: 2.5 – 3.5 MOHS

Section X: Stability and Reactivity

Stability: Stable under typical temperature and usage.

Decomposition: Thermal decomposition may occur at extreme temperatures and may produce toxic oxides of sulfur and barium.

Hazardous Polymerization: Extremely unlikely to occur.

Section XI: Toxicological Information

National Toxicology Program (NTP) Carcinogen

Carcinogenic Data

Barium Sulfate (7727 – 437): Unknown.

Quartz (14898 – 607): Unknown

Section XII: Ecological Information

Ecology Toxicity: No studies identified.

Ecology Water Toxicity: Mineral is insoluble in water.

Section XIII: Disposal Considerations

Product Disposal: In accordance with all applicable, local, state and federal law regulations.

Container Disposal: In accordance with occupational policies and local, state and federal law regulations.

Section XIV: Transport Information

The product is not considered hazardous materials by The Department of Transportation. Transport mineral well placed and with care.

Section XV: Regulatory Information

NPCA Association – HMIS:

Health Hazard = 1 (minimal)

Flammability Hazard = 0

Reactivity Hazard = 0

Personal Protection: Glasses, gloves and dust respirator.

TSCA Listed: Yes

DSL Listed: Yes

NDSL Listed: No

EINECS Listed: Barite (231 – 784 – 4), Silica, Quartz (238 – 878 – 4)

AICS Listed: Yes

Section XVI: Other Information:

For more information:

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