
Material Safety Data Sheet

Product Name: Barium Sulphate, Barites

Revision Date: Jun, 8th,2020

1. Chemical Product and Company Identification

2. Product Name: Natural Barium Sulphate, Barites

3. Application: Natural Barium Sulphate is used as the chief source of barium and its chemical compounds. Barium Sulphate is used as filler in the manufacture of powder coating, paint, linoleum, oilcloth, paper and textile manufacturing, rubber and plastics.etc.

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2.Compositon on Ingerdients.

SUBSTANCE	CAS Number	PERCENT
Barium Sulphate	7727-43-7	92-96% min

3.Physical and Chemical Properties

Physical State: Powder

Color: White

Odor: Odorless

PH Value: 7.5-9.5

Vapor Pressure: Not applicable.

Viscosity: Not applicable.

Boiling Point: Not applicable.

Freezing/Melting Point: 2876 deg F (1,580.00C)

Autoignition Temperature: Not applicable

Flash Point: Not applicable.

Explosion Limits: Lower/ Upper:: Not available

Decomposition Temperature: Not available

Solubility in water: Insoluble

Specific Gravity/Density: 4.35 (Water=1)

Molecular Formula: BaSO₄

Molecular Weight: 233.4

4.Hazards Identification.

Potential Health Effects:

Eye Contact: May cause mechanical irritation

Skin Contact: May cause mechanical irritation

Inhalation: May cause mechanical irritation

Ingestion: May cause gastric distress, nausea and vomiting if ingested.

5. First Aid Measures.

Eye Contact: Promptly wash eyes with lots of water while lifting eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Skin Contact: Wash skin thoroughly with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if any discomfort continues.

Inhalation: Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

6. Fire Fighting Measures.

Flammability Properties.

Flash Point: F (C): NA

Flammable Limits in Air - Lower (%): ND

Flammable Limits in Air - Upper (%): ND

Autoignition Temperature: F (C): ND

Flammability Class: NA

Other Flammable Properties: ND

Extinguishing Media: This material is not combustible. Use extinguishing media appropriate for surrounding fire.

Protection Of Fire-Fighters:

Special Fire-Fighting Procedures: Do not enter fire area without proper personal protective equipment, including NIOSH/MSHA approved self-contained breathing apparatus. Evacuate area and fight fire from a safe distance. Water spray may be used to keep fire-exposed containers cool. Keep water run off out of sewers and waterways.

Hazardous Combustion Products: Not determined

NFPA Ratings: Health 1, Flammability 0, Reactivity 0

HMIS Ratings: Flammability 0, Reactivity 0, Health 1

HMIS Key: 4=Severe, 3=Serious, 2=Moderate, 1=Slight, 0=Minimal Hazard.

*Chronic effects - See Section 11. See Section 8 for Personal Protective Equipment recommendations.

7. Accidental Release Measures.

Personal Precautions:

Personal Protection Equipment:

All chemical Personal Protective Equipment (PPE) should be selected based on an assessment of both the chemical hazards present and the risk of exposure to those hazards. The PPE recommendations below are based on our assessment of the chemical hazards associated with this product. The risk of exposure and need for respiratory protection will vary from workplace to workplace and should be assessed by the user.

Eye/Face Protection: Dust resistant safety goggles.

Skin Protection: Wear appropriate clothing to prevent repeated or prolonged skin contact.

Chemical resistant gloves recommended for prolonged or repeated contact. Use protective gloves.

Respiratory Protection: Wear a NIOSH certified respirator if dust over TLV.

General Hygiene Considerations: Work clothes should be washed separately at the end of each work day. Disposable clothing should be discarded, if contaminated with product.

Spill Procedures: Evacuate surrounding area, if necessary. Contain spilled material. Avoid the generation of dust. Sweep, vacuum, or shovel and place into closable container for disposal.

Environmental Precautions: Do not allow to enter sewer or surface and subsurface waters.

Waste must be disposed of in accordance with federal, state and local laws.

8. Handling and Storage.

Handling: Put on appropriate personal protective equipment. Avoid contact with skin and eyes.

Avoid generating or breathing dust. Use only in a well ventilated area. Wash thoroughly after handling.

Storage: Store in dry, well-ventilated area. Keep container closed. Store away from incompatibles.

Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking.

9. Exposure Controls.

Engineering Controls: Use appropriate engineering controls such as, exhaust ventilation and process enclosure, to ensure air contamination and keep workers exposure below the applicable limits.

10. Stability and Reactivity.

Chemical Stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Conditions to Avoid: None anticipated.

Incompatibilities with Other Materials: Not available.

Hazardous Decomposition Products: Oxides of sulfur, barium fume.

Hazardous Polymerization: Will Not Occur.

11. Toxicological Information.

Routes of Exposure: Eyes. Dermal (skin) contact. Inhalation.

Target Organs/Medical Conditions Aggravated by Overexposure: Eyes. Skin. Respiratory System.

Product Toxicological Information: Long term inhalation of particulate can cause irritation, inflammation and/or permanent injury to the lungs. Illnesses such as pneumoconiosis ("baritosis"), pulmonary fibrosis, chronic bronchitis, emphysema and bronchial asthma may develop.

Carcinogenicity: No listed as carcinogen by NTP, IARC, OSHA.

12. Ecological Information.

Mobility (Water/Soil/Air) Not determined

Persistence/Degradability Not applicable

Bio-accumulation Not Determined

Ecotoxicological Information

Acute Fish Toxicity: TLM96: 7500 ppm (Oncorhynchus mykiss)

Acute Crustaceans Toxicity: Not determined

Acute Algae Toxicity: Not determined

Chemical Fate Information Not determined

13. Disposal Considerations.**Appropriate method of disposal of substance or preparation:**

Bury in a landfill site approved for the disposal of chemical and hazardous wastes. Observe all federal, state, and local environmental regulations.

14. Transport Information.

Non-Hazardous for Land Transportation, Non-Hazardous for air Transport: Non-hazardous for sea transport according to IMDG/IMO.

15. Regulatory Information.**EU ADDITIONAL CLASSIFICATION**

S: 22-24/25

Safety Statements: Do not breathe dust. Avoid contact with skin and eyes.

US CLASSIFICATION AND LABEL TEXT

US Statements: Caution: Avoid contact and inhalation.

16. Other Information.**Additional Information:**

For additional information on the use of this product, contact us at 0086-717-6597766.

Disclaimer Statement:

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