



MATERIAL SAFETY DATA SHEET

BARIUM SULFATE

SECTION I: PRODUCT AND COMPANY IDENTIFICATION

Chemical Name: Barium Sulfate

Product Name: BARPRO IEP, BAR4ONE, BARME

Company: International Earth Products LLC.

Address: 1/8 North International Bridge FM 1015

Telephone: +1(956) 289-9374

Fax: +1(956) 464-6001

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: HAZARDS IDENTIFICATION

Precautions:

Use mineral in well ventilated area.

Avoid direct eye contact, skin and inhalation.

Place product in secured location.

Wash hands after being in contact with 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 for attention.

Skin Contact: Wash hands thoroughly after use. Gloves can be used to prevent 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, Reactivity 0

Precautions: Avoid formation clouds of mineral

SECTION VI: ACCIDENTAL RELEASE MEASURES

Use proper equipment to clean area where spill has occurred.

No cautionary or special measures necessary.

SECTION VII: HANDLING AND STORAGE

Please maintain well sealed in container. Store in dry, cool, well ventilated and protected area.

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

SECTION VIII: EXPOSURE CONTROL/PERSONAL PROTECTION

Work Exposure Standards: OSHA Permissible Exposure Limit (PEL), which indicates 15 mg/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 be used to prevent skin dryness and/or irritation.

Air circulation Procurement: A general exhaust is recommended to keep employees within exposure standard limit.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: White, Grey, 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 (14808-607): 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

This 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:

International Earth Products LLC.

101 N. Val Verde Rd.

Donna, Texas 78537

1(956) 289-9374

Disclaimer:

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