

Barium Hydroxide Safety Data Sheet (SDS)

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Barium Hydroxide

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261 Chemtrec Emergency Phone Number: (800) 424-9457

SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Acute toxicity, oral and inhalation (Category 4). Harmful if swallowed or inhaled (H302+H332). Do not eat, drink or smoke when using this product (P270).

Hazard class: Skin corrosion or irritation (Category 1). Causes severe skin burns and eye damage (H314). Do not breathe dust or fumes (P260).

SDS #: 95 Revision Date: March 24, 2014

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Pictograms

NFPA Code

None established

Signal Word

DANGER

SECTION 3 - COMPOSITION, INFORMATION ON INGREDIENTS

| Component Name | CAS Number | Formula | Formula Weight | Concentration |
|------------------|------------|--|----------------|---------------|
| Barium hydroxide | 12230-71-6 | Ba(OH) ₂ •8H ₂ O | 315.5 | |

SECTION 4 – FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell (P312).

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340).

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338).

If on skin or hair: Immediately remove all contaminated clothing. Rinse skin with water (P303+P361+P353).

If swallowed: Rinse mouth. Do NOT induce vomiting (P301+P330+P331).

SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable solid.

When heated to decomposition, may emit toxic fumes.

In case of fire: Use a tri-class dry chemical fire extinguisher.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Do not allow solid to become airborne. Ventilate area. Sweep up the spill, place in a sealed bag or container, and dispose. Wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Inorganic #4. Store with hydroxides, oxides, silicates and carbonates. Store in a cool, dry place. Keep container tightly closed. Store in Flinn Chem-Saf™ bag. Use only in a hood or well-ventilated area (P271).

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264). Use only in a hood or well-ventilated area (P271). Exposure guidelines: (as barium) PEL/TLV 0.5 mg/m³ (OSHA/ACGIH)

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| White, crystalline powder. Odorless. | Boiling point: 780 °C | |
|--|--------------------------------------|--|
| Soluble: Water and alcohol | Melting point: 78 °C | |
| | Specific gravity: 2.2 | |
| SECTION 10 - STABILITY AND REACTIVITY | | |
| Avoid contact with acids. | | |
| Shelf life: Poor, absorbs carbon dioxide from the air. See Section 7 for further informa | pation | |
| shell me. 1 ool, absolos carbon dioxide nom the an. see section / for further morna | | |
| SECTION 11 — TOXICOLOGICAL INFORMATION | iatori. | |
| | ORL-RAT LD ₅₀ : 550 mg/kg | |
| SECTION 11 – TOXICOLOGICAL INFORMATION | | |

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply before proceeding. Flinn Suggested Disposal Method #27h is one option.

Shipping name: Barium compounds, N.O.S. Hazard class: 6.1, Keep away from food. UN number: UN1564.

SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (241-234-5), RCRA D002, D005.

SECTION 16 - OTHER INFORMATION

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 $\rm N.A.$ = Not available, not all health aspects of this substance have been fully investigated. $\rm N/A$ = Not applicable

Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.

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