



Section 1 - Chemical Product and Company Identification

Product Name Barium Carbonate extrapure AR, 99%
Product Code 58434
CAS No 513-77-9
Use for Laboratory Chemicals.
Company Name Sisco Research Laboratories Pvt. Ltd.
Address 608, B Wing, Satellite Gazebo, Andheri Ghatkopar Link Road,
Andheri (E), Mumbai - 400 099, India

Section 2 - Composition/Information on Ingredients

| CAS# | Chemical Name: | % | EINECS# |
|----------|------------------|-----|-----------|
| 513-77-9 | Barium Carbonate | 99% | 208-167-3 |

Section 3 - Hazards Identification

Special Indication Of Hazards To Humans And The Environment

Harmful if swallowed.

Section 4 - First Aid Measures

Eyes: In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Skin: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

Ingestion: If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Notes to Physician:

Section 5 - Fire Fighting Measures

Extinguishing Media: Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

Specific Hazard(s): Emits toxic fumes under fire conditions.

Special Protective

Equipment for Firefighters: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6 - Accidental Release Measures



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Personal Precaution Procedures

To Be Followed In Case Of

Leak Or Spill: Evacuate area.

Procedure(S) Of Personal

Precaution(S): Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

Methods For Cleaning Up: Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

Handling: Directions for Safe Handling: Do not breathe dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Storage: Conditions of Storage: Keep tightly closed.

Section 8 - Exposure Control / Personal Protection

Engineering Controls: Mechanical exhaust required. Safety shower and eye bath.

General Hygiene Measures: Wash thoroughly after handling.

Exposure Limits - Denmark:

Source Type Value
OEL TWA 0.5 mg/m³

Exposure Limits - United Kingdom

Source Type Value
OEL LTEL 0.5 MG (BA)/M³

Personal Protective Equipment

Respiratory Protection: Use respirators and components tested and Approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

Hand Protection: Compatible chemical-resistant gloves.

Section 9 - Physical and Chemical Properties

Physical State: Crystalline Powder

Color: White

Molecular Formula: BaCO₃

Molecular Weight: 197.34

Section 10 - Stability and Reactivity



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Chemical Stability: Stable.

Materials to Avoid: Strong acids.

Hazardous Decomposition

Products : Carbon monoxide, Carbon dioxide, Barium oxide.

Hazardous Polymerization : Will not occur

Section 11 - Toxicological Information



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RTECS NUMBER: CQ8600000

Acute Toxicity: LDLO OralMan 800 mg/kg

Remarks: Behavioral: Convulsions or effect on seizure threshold.

Cardiac: Change in rate. Cardiac: Other changes.

LDLO Oral Human 17 mg/kg

LD50 Oral Rat 418 mg/kg

LD50 Oral Mouse 200 mg/kg

LD50 Intraperitoneal Mouse 50 mg/kg

Signs And Symptoms

Of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Stomach pains, vomiting, diarrhea.

Route Of Exposure:

Skin Contact: Causes skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: Causes eye irritation.

Inhalation: May be harmful if inhaled. Material is irritating to mucous membranes and upper respiratory tract.

Ingestion: Harmful if swallowed.

Target Organ Information: Nerves. Kidneys. G.I. System. Bone marrow. Spleen. Liver. Heart.

Chronic Exposure - Reproductive Hazard

Species: Rat

Dose: 1150 UG/M3/24H

Route of Application: Inhalation

Exposure Time: (16W MALE)

Result: Paternal Effects: Testes, epididymis, sperm duct.

Paternal Effects: Spermatogenesis (including genetic material, sperm morphology, motility, and count).

Species: Rat

Dose: 3130 UG/M3/24H

Route of Application: Inhalation

Exposure Time: (16W PRE)

Result: Maternal Effects: Oogenesis. Maternal Effects: Ovaries, fallopian tubes.

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations



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Substance Disposal: Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

| | IATA | IMO | RID/ADR |
|-----------------------|---------------|---------------|----------------|
| Shipping Name: | Non-hazardous | Non-hazardous | Non-hazardous |
| Hazard Class: | | | |
| UN Number: | | | |
| Packing Group: | | | |

Section 15 - Regulatory Information

Classification And Labeling According To Eu Directives

Annex I Index Number: 056-003-00-2

Indication Of Danger: Xn Harmful.

R-PHRASES: 22 Harmful if swallowed.

S-PHRASES: 24/25 Avoid contact with skin and eyes.

Section 16 - Other Information

Sisco Research Laboratories Pvt. Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.