

# SAFETY DATA SHEET

## SECTION 1- PRODUCT AND COMPANY IDENTIFICATION

**1.1 Product Identifier:**

Product Form: Substance

Chemical Name: Barium Sulfate (CAS# 7727-43-7; 13462-86-7)

Product Name(s): CIMBAR 10, CIMBAR 325, CIMBAR PC, CIMBAR C/CF, CIMBAR W grades, CIMBAR XF, CIMBAR UF, CIMBAR EX, CIMBAR BF, BARIMITE 200, #22 BARYTES, #44 BARYTES, BARIMITE grades, BARISCAN ULTRA, BARISCAN ELITE, MITI-WITE grades, BARTEX grades, BARTEX OWT, ExBAR W grades, EXBAR HD grades

**1.2 Relevant identified uses of the substance or mixture and uses advised against:**

Identified uses: Pigment, filler for paint and plastics.

Uses Advised Against: Any use other than those identified.

**1.3 Details of the supplier of the Safety Data Sheet:**

Manufacturer: CIMBAR Resources Inc.

49-0 Jackson Lake Rd., Chatsworth GA 30705

(Corporate Office) Emergency Phone: (800)-852-6868

**1.4 Emergency telephone number: 1-800-852-6868**

## SECTION 2- HAZARDS IDENTIFICATION

**2.1 Classification of the substance or mixture**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

**2.2 Label elements**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

**2.3 Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. Barium Sulfate does not have endocrine disrupting properties.

## SECTION 3- COMPOSITION/INFORMATION ON THE INGREDIENTS

**3.1 Substances:**

| Chemical                                    | CAS Number               | % Weight | Classification |
|---|--------------------------|----------|----------------|
| Barium Sulfate                              | 7727-43-7,<br>13462-86-7 | >97      | None           |
| Strontium Oxide                             | 1314-11-0                | 1.0      | None           |
| Magnesium Oxide                             | 1309-48-4                | 1.0      | None           |
| Crystalline Silica, quartz<br>Fine Fraction | 14808-60-7               | <1.0     | None           |

**3.2 Mixtures:** No mixtures.

**SECTION 4- FIRST AID MEASURES**

**4.1 Description of first aid measures:**

General Advice: When in doubt or if symptoms are observed, get medical advice. Inhalation: Move to fresh air. Give symptomatic treatment as necessary.

Skin contact: Wash with soap and water.

Eye contact: Wash with soap and neutral eyewash solution.

Ingestion: Do not induce vomiting. Give up to 200 ml water. In case of persistent symptoms, consult a doctor.

**4.2 More important symptoms/effects, acute and delayed:** Signs and symptoms may include coughing, gasping, choking and difficulty breathing.

**4.3 Indication of immediate medical attention and special treatment needed:** If exposed or concerned: Get medical advice/attention. Treatment should be symptomatic and supportive. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

**SECTION 5- FIRE FIGHTING MEASURES**

**5.1 Extinguishing Media**

Suitable Extinguishing Media: Water spray (fog), foam, dry chemical, carbon dioxide (CO<sub>2</sub>). Unsuitable Extinguishing Media: None known.

**5.2 Special hazards arising from the substance or mixture:** Do not breathe dust.

**5.3 Advice for Firefighters:** In case of fire and/or explosion do not breathe fumes.

**SECTION 6- ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures:**

Keep unauthorized personnel away. Use personal protection recommended in Section 8.

**6.2 Environmental precautions:** Avoid dust dispersion to the environment. Prevent leakages from entering

drains and ditches that lead to natural waterways.

**6.3 Methods and material for containment and cleaning up:** Clean by sweeping or vacuum. Avoid dust generation and spreading of dust.

**6.4 Reference to other sectors:** Section 8. Exposure controls and personal protection. See Section 13 for additional waste treatment information.

**SECTION 7- HANDLING AND STORAGE**

**7.1 Precautions for safe handling: Avoid overexposure-** obtain special instructions before use. Ensure adequate ventilation. Do not breathe dust. Use personal

protective equipment as required. Handle in accordance with good industrial hygiene and safety practice.

**7.2 Conditions for safe storage, including any incompatibilities:** Store in tightly closed original container in a dry place. No incompatible products known.

**7.3 Specific end use(s):** N/A

**SECTION 8- EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control Parameters:**

**Occupational Exposure Limits**

| Substance Identification    | Type                                    | Value   |
|-----------------------------|---|---|
| Barium Sulfate              | OSHA PEL (USA)                          | 10 mg/m <sup>3</sup>                          |
|                             | ACGIH TLV (USA)                         | 10 mg/m <sup>3</sup>                          |
|                             | Canada                                  | 0.5 mg/m <sup>3</sup>                         |
|                             | Canada- BC TWA                          | 0.5 mg/m <sup>3</sup>                         |
| Crystalline Silica (Quartz) | OSHA (TWA)                              | 0.05 mg/m <sup>3</sup>                        |
|                             | OSHA (action level)                     | 0.025 mg/m <sup>3</sup>                       |
|                             | ACGIH (TWA)                             | 0.025 mg/m <sup>3</sup> (respirable fraction) |
|                             | NIOSH (TWA)                             | 0.05 mg/m <sup>3</sup> (respirable fraction)  |
|                             | Canada (TWA)                            | 0.025 mg/m <sup>3</sup> (respirable fraction) |
|                             | Canada- BC (TWA)                        | 0.025 mg/m <sup>3</sup> (respirable fraction) |
|                             | Canada- Manitoba- OEL (TWA)             | 0.025 mg/m <sup>3</sup> (respirable fraction) |
|                             | Canada- Newfoundland/Labrador-OEL (TWA) | 0.025 mg/m <sup>3</sup> (respirable fraction) |
|                             | Canada- Nova Scotia-OEL (TWA)           | 0.025 mg/m <sup>3</sup> (respirable fraction) |
|                             | Canada- Prince Edward Island-OEL (TWA)  | 0.025 mg/m <sup>3</sup> (respirable fraction) |
|                             | Mexico (TWA)                            | 0.1 mg/m <sup>3</sup> (respirable fraction)   |

**8.2 Exposure Controls**

**8.2.1 Engineering Measures:** Engineering methods to prevent or control exposure are preferred. If they are not effective, then suitable personal protective should be used.

**8.2.2 Personal Protective Equipment:**

**Respiratory Protection:** The specific respirator selected must be based on the airborne concentration found in the workplace and must not exceed the working limits of the respirator.

**Hand Protection:** For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.

**Eye/Face Protection:** Wear safety glasses with side shields (or goggles).

**Skin/Body Protection:** Wear suitable protective clothing.

**Hygiene Measures:** Follow general hygiene considerations recognized as

common good workplace practices. Wash daily at the end of each shift, and prior to eating, drinking, smoking, etc.

**8.2.3 Environmental Exposure Controls:** Dispose of in accordance with local regulations.

## SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties:

|                               |                                |
|-------------------------------|--------------------------------|
| Appearance:                   |                                |
| Physical State:               | Solid                          |
| Color:                        | Beige to white.                |
| Specific Gravity:             | 4.0-4.30.                      |
| Odor:                         | Odorless                       |
| Boiling/Melting Point: Point: | N/A                            |
| Evaporation Rate:             | N/A                            |
| Vapor Pressure (mm Hg):       | N/A Vapor Density (Air=1): N/A |
| Solubility in water:          | Insoluble in Water             |
| MOHS Hardness:                | 2.5-3.5                        |
| pH:                           | 8-10 @ 10% slurry in water     |

### 9.2 Other Information:

Volatile Organic Compound (VOC): 0% (EC/1999/13)

## SECTION 10- STABILITY AND REACTIVITY

**10.1 Reactivity:** No reactivity known.

**10.2 Chemical stability:** Stable under normal temperatures and pressures.

**10.3 Possibility of hazardous reactions:** Hazardous Polymerization- Will not polymerize.

**10.4 Conditions to avoid:** None known.

**10.5 Incompatible materials:** Strong acids.

**10.6 Hazardous decomposition products:** None known.

## SECTION 11- TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**Acute toxicity**

No data available

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Additional Information**

None

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**SECTION 12- ECOLOGICAL INFORMATION**

**12.1 Ecotoxicity:** Not considered harmful to aquatic life.

Crystalline Silica, quartz (impurity)

WGK Classification (VwVwS) 849: nwg

**12.2 Persistence/Degradability:** Not readily biodegradable.

**12.3 Bioaccumulation potential:** None.

**12.4 Mobility in soil:** The product is insoluble in water and will sediment in water systems.

**12.5 Results of PBT and vPvB assessment:** According to Annex XIII of regulation (EC) 1907/2006 aPBT and vPvB assessment shall not be conducted for inorganic substances like Barium Sulfate.

**12.6 Endocrine disrupting properties:** None.

**12.7 Other adverse effects:** None

**SECTION 13- DISPOSAL**

**13.1 Waste treatment methods:** Dispose of waste and residues in accordance with all applicable local and national regulations.

Contaminated Packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

Crystalline Silica, quartz (impurity): WGK Classification (VwVwS) 849: nwg

**SECTION 14- TRANSPORT INFORMATION**

Mode of Transportation (Road, Water, Air, Rail)

**14.1 UN Number:** N/A.

**14.2 UN Proper shipping name:** N/A.

**14.3 Transport hazard class(es):**

ADR: not classified

IMDG: not classified

ICAO/IATA: not classified

RID: not classified

**14.4 Packing Group:** N/A.

**14.5 Environmental hazards:** None.

**14.6 Special precautions for user:** None.

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.

## SECTION 15- REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Global chemical inventory status

| Chemical Name      | CAS No.                  | EC No.    | REACH Registration No. | AUS (AICS) | CAN (DSL) | China (IECSC) | Japan (ENCS) | S. Korea (ECL) | Mexico | New Zealand | Phil. (PICCS) | Taiwan (TSCI) | TSCA USA |
|--------------------|--------------------------|-----------|------------------------|------------|-----------|---------------|--------------|----------------|--------|-------------|---------------|---------------|----------|
| Barium Sulfate     | 13462-86-7,<br>7727-43-7 | 236-664-5 | Exempt                 | Y          | Y         | Y             | Y            | Y              | Y      | Y           | Y             | Y             | Y        |
| Crystalline Silica | 14808-60-7               | 238-878-4 | Exempt                 | Y          | Y         | Y             | Y            | Y              | Y      | Y           | Y             | Y             | Y        |

| Chemical Name      | CAS No.                  | SWITZERLAND (CHEMINV) | SWEDEN (KEMI) | NEW ZEALAND (NZIoC) |
|--------------------|--------------------------|-----------------------|---------------|---------------------|
| Barium Sulfate     | 13462-86-7,<br>7727-43-7 | Y                     | Y             | Y                   |
| Crystalline Silica | 14808-60-7               | Y                     | Y             | Y                   |

**REACH STATUS:** This product is a naturally occurring mineral substance and is therefore exempt from the registration requirement. (source: EXEMPTIONS FROM THE OBLIGATION TO REGISTER IN ACCORDANCE WITH ARTICLE 2 (7) (b), Annex II, Annex V.

## SECTION 16- OTHER INFORMATION/CONTACT

Acronyms:

EPA = Environmental Protection Agency  
TSCA = Toxic Substance Control Act  
ACGIH = American Conference of Governmental Industrial Hygienists  
IARC = International Agency for Research on Cancer  
NIOSH = National Institute for Occupational Safety and Health  
NTP = National Toxicology Program  
OSHA = Occupational Safety and Health Administration  
DOT = Department of Transportation  
RCRA = Resource Conservation and Recovery Act

Other Information:

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