

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, BARIMITE grades,

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

Identified uses: Industrial use 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

Carcinogenicity: Category 1A (H350)

Specific target organ toxicity (STOT)- repeated exposure, category 2 Lungs (H373) Physical Hazards: Not classified.

Health Hazards: Carcinogenicity category 1A Specific target organ toxicity (STOT)- repeated exposure, category 2 Lungs.

Environmental Hazard: Not classified.

2.2 Label elements

Hazard Pictogram (Health Hazard)		
Signal Word	Danger	
Hazard Statements	H350	May cause cancer (inhalation)
Precautionary Statements	P201	Obtain special instructions before use.
	P202	Do not handle until all safety precautions have been read and understood.
	P260	Do not breathe dust.
	P280	Wear protective gloves, protective clothing, eye protection, face protection.
	P308+P313/319	If exposed or concerned: Get medical attention/advice.
	P501	Dispose of content and container in accordance with all local, regional, national and international regulations.

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, 13462-86-7	>97	None
Strontium Oxide	1314-11-0	1.0	None
Magnesium Oxide	1309-48-4	1.0	None
Crystalline Silica, quartz Fine Fraction	14808-60-7	<1.0	Carcinogenicity category 1A Specific target organ toxicity (STOT)- repeated exposure, category 2 Lungs.

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 (CO₂). 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) ACGIH TLV (USA) Canada Canada- BC TWA	10 mg/m ³ 10 mg/m ³ 0.5 mg/m ³ 0.5 mg/m ³
Crystalline Silica (Quartz)	OSHA (TWA) OSHA (action level) ACGIH (TWA) NIOSH (TWA) Canada (TWA) Canada- BC (TWA) Canada- Manitoba- OEL (TWA) Canada- Newfoundland/Labrador-OEL (TWA) Canada- Nova Scotia-OEL (TWA) Canada- Prince Edward Island-OEL (TWA) Mexico (TWA)	0.05 mg/m ³ 0.025 mg/m ³ 0.025 mg/m ³ (respirable fraction) 0.05 mg/m ³ (respirable fraction) 0.025 mg/m ³ (respirable fraction) 0.025 mg/m ³ (respirable fraction) 0.025 mg/m ³ (respirable fraction) 0.025 mg/m ³ (respirable fraction) 0.025 mg/m ³ (respirable fraction) 0.025 mg/m ³ (respirable fraction) 0.1 mg/m ³ (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, 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, 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 REISTER 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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