



HUBER ENGINEERED MATERIALS

MATERIAL SAFETY DATA SHEET

According to Brasil: ABNT NBR 14725 4: 2012

Huberbrite® 3

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SECTION 1. Product and company identification

Product Name: Huberbrite® 3

Chemical Name Barite

Company: Huber Carbonates, LLC
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SECTION 2. Hazard Identification

Classification: Classification according to Regulation ABNT NRB 147251: 2009.
Specific target organ toxicity - repeated exposure, Inhalation (Category 2).

Label Element(s):



Warning

Signal Word(s):

Hazard Statements

May cause cancer. May cause damage to organs (lung) through prolonged or repeated exposure by inhalation.

Precautionary Statement:

Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Wear protective gloves/protective clothing/eye protection/face protection.
Response	If exposed or concerned: Get medical advice/attention.
Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Other hazards:	None

SECTION 3. Composition / information on ingredients

Chemical Name/CAS	EC / REACH	%W/W
Barite 13462-86-7	236-664-5 *	100
Crystalline Silica, quartz (impurity) 14808-60-7	238-878-4 *	1.0 - 4.0

Barite - 13462-86-7

Regulation (EC) 1907/2006:.. *Exempt as a naturally occurring substance..

Crystalline Silica, quartz (impurity) - 14808-60-7

*Exempt. An impurity.

SECTION 4. First aid measures

General advice:	In case of doubt or when symptoms persist, seek medical attention.
Eye contact:	Hold eyelids apart and flush eyes with a steady, gentle stream of water for several minutes.
Skin contact:	Wash skin with soap and water.
Ingestion:	Rinse mouth with water. Do not induce vomiting.
Inhalation:	Move person to fresh air

SECTION 5. Fire-fighting measures

NFPA:	Health 1	Flammability 0	Reactivity 0	PPE: E
HMIS:	Health 1	Flammability 0	Physical hazard 0	

Extinguishing media:	Non-combustible. All extinguishing media can be used. Use suitable media appropriate for the surrounding fire.
Unsafe extinguishing media:	None
Unsuitable extinguishing media:	None
Special exposure hazards:	None

Hazardous Combustion Products None known

Special protective equipment for firefighters: Firefighters should wear protective clothing and use equipment that is suitable for the materials involved in the surrounding fire.

SECTION 6. Accidental release measures

Personal precautions: Avoid contact with skin and eyes. Wear suitable personal protection equipment. Avoid inhalation of dust.

Potential environmental effects: Not considered to be harmful to aquatic life

Cleanup methods: Pick up mechanically and / or by rinsing with water. Avoid dry sweeping and use a sprinkler system or exhaust ventilation to prevent dust formation.

SECTION 7. Handling and storage

Handling: Avoid dust formation. Provide appropriate exhaust ventilation in places where dust is formed. In case of insufficient ventilation, wear suitable respiratory equipment.

Storage: Store in a dry area. Keep containers closed and protect from physical damage.

SECTION 8. Exposure controls / personal protection

Exposure Controls

Engineering Controls: Use mechanical ventilation (dilution and local exhaust) to control exposure.

**Nuisance particles/
Nuisance dust:** If not specified dusts are:
ACGIH: 10 mg/m³ (total dust), 3 mg/m³ (respirable fraction)
OSHA PEL: 15 mg/m³ (total dust), 5 mg/m³ (respirable fraction)

Personal Protective Equipment

Eye Protection: Safety glasses with side shields

Skin and Body Protection: Use suitable protective clothing, gloves and footwear, selected with regard for use conditions and exposure.

Hand Protection: Impervious gloves: chemical resistant
EN 420

Respiratory Protection: In case of exposure to high levels of airborne dust, wear a respirator
EN 149, P2 half masks.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

Potential environmental effects: Not considered to be harmful to aquatic life

Control Parameters

Barite - 13462-86-7

OSHA - TWA	0.5 mg/m ³
ACGIH - TLV-TWA 8-hour	0.5 mg/m ³
Canada - Alberta - OEL - TWA	0.5 mg/m ³
Mexico OEL Data - TWA	0.5 mg/m ³

Crystalline Silica, quartz (impurity) - 14808-60-7

Barite - 13462-86-7

OSHA - TWA	(10 mg/m ³)/(%SiO ₂ + 2) (respirable) (30 mg/m ³)/(%SiO ₂ + 2) (Total Dust)
NIOSH - TWAs	0.05 mg/m ³
NIOSH - Potential Occupational Carcinogens	potential occupational carcinogen
Canada - Alberta - OEL - TWA	0.025 mg/m ³ TWA (respirable particulate)
Canada - British Columbia - OEL - Designated Substances	ACGIH Category A2 - Suspected Human Carcinogen IARC Category 1 - Human Carcinogen
Canada - Manitoba - OEL - TWA	0.025 mg/m ³ TWA (respirable fraction)
Canada - Nova Scotia - OEL - TWA	0.025 mg/m ³ TWA (respirable fraction)
Canada - Prince Edward Island - OEL - TWA	0.025 mg/m ³ TWA (respirable fraction)
Mexico OEL Data - TWA	0.1 mg/m ³ TWA (respirable fraction)

SECTION 9: Physical and chemical properties

Appearance	White
Physical State	Powder
Odor	Odorless
Odor Threshold	No information available
pH:	8.5 - 9.5 in 28% water suspension
Melting Point / Range	1580°C
Freeze Point	Not applicable
Flash Point	Non-combustible
Evaporation Rate	Not applicable
Flammability (solid, gas)	Not applicable
Vapor Pressure	Not applicable
Vapor Density	Not applicable
Density	4.5 g/cm ³ , 20°C
Water Solubility	0.0031 g/l water, 20°C
Partition coefficient (n-octanol/water)	Not applicable
Autoignition Temperature	Not applicable
Oxidizing Properties	Not oxidizing

SECTION 10: Stability and reactivity

Stability:	Stable under normal conditions
Possibility of hazardous reactions:	Hazardous polymerization will not occur.
Conditions to avoid:	None

Materials to avoid (Incompatible Materials) None

Hazardous decomposition products: None

SECTION 11: Toxicological information

Non-classified Hazards

Sensitization: Does not cause sensitization

Eye irritation: Non-irritating

Skin irritation: Non-irritating

Carcinogenicity: This product contains greater than 0.1% crystalline silica which is listed as a Group 1 carcinogen by IARC, a known carcinogen by NTP, OSHA and as A2 suspected human carcinogen by ACGIH.

Barite - 13462-86-7

LD50 Oral 15000 mg/kg (rat)

Crystalline Silica, quartz (impurity) - 14808-60-7

IARC - Group 1
dated 1977

LD50 Oral 500 mg/kg (rat)

SECTION 12: Ecological information

Potential environmental effects: Not considered to be harmful to aquatic life

Ecotoxicity: This product is not expected to be toxic to aquatic life.

Persistence / Degradability: Non-degradable

Bioaccumulative potential: Inert Material

Mobility: Inert material

Other Adverse Effects: None known

Barite - 13462-86-7

Germany - Water Classification (VwVwS) - Annex 1: 308:0

Crystalline Silica, quartz (impurity) - 14808-60-7

Germany - Water Classification (VwVwS) - Annex 1: 849:0

SECTION 13: Disposal considerations

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Waste treatment methods Dispose in accordance with local, state and national regulations.

SECTION 14: Transport information

UN-No.	None
DOT	Not regulated.
TDG	Not regulated
IMDG / IMO	Not regulated
ICAO	Not regulated
IATA	Not regulated
RID/ADR	Not regulated

15. REGULATORY INFORMATION

Component(s) of the product are on the following Inventory lists:

Chemical Name/CAS	EC / REACH	Australia (AICS)	Canada (DSL)	China (IECSC)	Japan (ENCS)	Korea (KECL)	New Zealand (NZIoC)	Philippines (PICCS)	USA (TSCA)	Taiwan (ECN)
Barite 13462-86-7	236-664-5 *	Present	Present (DSL)	Present	Present	Present	Present	Present	Present	Present
Crystalline Silica, quartz (impurity) 14808-60-7	238-878-4 *	Present	Present (DSL)	Present	Present	Present	Present	Present	Present	Present

Legend

PRESENT : Listed

- : Not Listed

*: Exempt

Nominated

Barite - 13462-86-7

Regulation (EC) 1907/2006: *Exempt as a naturally occurring substance.

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SECTION 16. Other information

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Training Advice:

Personnel handling the substance(s) named in this Safety Data Sheet should be skilled and trained in areas associated with the key points named herein.

Personnel should have training and access to appropriate PPE for handling this product.

Personnel handling the substance(s) named in this Safety Data Sheet are responsible for ensuring that appropriate precautions are taken and for satisfying themselves that the data are suitable and sufficient for the substance(s) intended purpose.

If additional information is required, please contact the supplier or an expert.

Sources of key data:

Literature data and/or investigative reports are available through the manufacturer.

Acronym / Abbreviation:

ACRONYMS:

INTERNATIONAL:

ADR: International Carriage of Dangerous Goods by Road

BOD: Biochemical Oxygen Demand

CLP: Classification, Labeling and Packaging

COD: Chemical Oxygen Demand

D.O.T.: U.S. Department of Transportation

ICAO International Civil Aviation Organization

IATA: International Air Transport Association (IATA)

IMO::International Maritime Organization.

IMDG::International Maritime Dangerous Goods

INCI: International Nomenclature of Cosmetic Ingredients

OES: Occupational Exposure Standard

OR: EU REACH Only Representative

PPE: Personal protection equipment

RID: International Carriage by Rail

SCBA: self contained breathing apparatus

TLV-STEL: Threshold Limit Values - Short Term Exposure Limits

TWA: Time Weighted Averages

North America:

CERCLA RQ: US EPA Comprehensive Environmental, Response, and Liability Act Reportable Quantity

CERCLA: US EPA Comprehensive Environmental Response, Compensation, and Liability Act of 1980

CONEG: Conference of North Eastern Governors

NIOSH/MSHA - National Institute for Occupational Safety and Health/Mine Safety and Health Administration

SARA: Superfund Amendments and Reauthorization Act (US EPA)

TDG: Canada Transport of Dangerous Goods

WHMIS: Canada's Workplace Hazardous Materials Information System

Prepared by

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END OF SAFETY DATA SHEET