

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
(amended by Regulation (EU) 2020/878)

Biber Rapid

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Biber Rapid

Product code None.

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

Use of the Substance/Mixture No information available.

1.3. Details of the supplier of the safety data sheet

Company/Undertaking Identification Leviat AG
Grenzstrasse 24
CH-3250 Lyss
Switzerland
T: 0800 22 66 00

1.4. Emergency telephone number 145 (Tox Info Suisse)
International +41 44 251 51 51

Revision date 14.10.2021

Version GHS 2 (Previous versions: GHS 1)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

Skin corrosion/irritation, Cat. 2, H315
Serious eye damage/eye irritation, Cat. 1, H318
Specific target organ toxicity (single exposure, inhalation), Cat. 3, H335
Specific target organ toxicity (repeated exposure, inhalation), Cat. 2, H373

The product is classified and labelled according to Regulation (EC) No. 1272/2008 (CLP).

Additional information

For the full text of the phrases mentioned in this Section, see Section 16.

2.2. Label elements



Signal Word

Danger

Hazard Statements

H315: Causes skin irritation.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.
H373: May cause damage to organs through prolonged or repeated exposure if inhaled.

Precautionary statements

P260: Do not breathe dust.
P264: Wash skin thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves and eye protection.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental information

None.

Product identifier

Portland cement (<1% quartz), CAS-No. 65997-15-1
Cement, alumina, chemicals, CAS-No. 65997-16-2, EC-No. 266-045-5
Quartz (SiO₂), CAS-No. 14808-60-7, EC-No. 238-878-4
Calcium dihydroxide, CAS-No. 1305-62-0, EC-No. 215-137-3

Packaging

Tactile warning of danger (EN/ISO 11683).

2.3. Other hazards

Dust arising from the dry mixture may irritate the respiratory tract. Repeated inhalation of larger amounts of dust increases the risk of lung disease. The product reacts strongly alkaline with moisture. The product mixed with water may cause serious skin and eye damage on prolonged contact. Depending on the handling and use (eg grinding, drying), the formation of air transmitted respirable crystalline silica is possible. Prolonged and / or massive inhalation of respirable crystalline silica can cause dust lung disease (silicosis). Main symptoms of silicosis are cough and difficulty in breathing. On occasional exposure to

respirable crystalline silica, dust protection and monitoring measures should be in place.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Mineral dry building material, preparation of mineral binders, aggregates and additives.

Components		CLP Classification	Product identifier
Portland cement (<1% quartz)	25% - 50%	Skin Irrit. 2 H315, Eye Dam. 1 H318, STOT SE 3 H335	CAS-No.: 65997-15-1
Cement, alumina, chemicals	10% - 20%	Skin Irrit. 2 H315, Eye Dam. 1 H318	CAS-No.: 65997-16-2 EC-No.: 266-045-5
Quartz (SiO ₂)	25% - 50%	STOT RE 1 H372i	CAS-No.: 14808-60-7 EC-No.: 238-878-4
Calcium dihydroxide	2.5% - 5%	Skin Irrit. 2 H315, Eye Dam. 1 H318, STOT SE 3 H335	CAS-No.: 1305-62-0 EC-No.: 215-137-3

For the full text of the phrases mentioned in this Section, see Section 16.

Hazardous impurities None.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	It is recommended to bring the exposed person from the contaminated area to fresh air. Consult a physician for severe cases.
Skin contact	Wash with water and soap as a precaution.
Eye contact	Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

4.2. Most important symptoms and effects, both acute and delayed Avoid breathing dust. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough.

4.3. Indication of any immediate medical attention and special treatment needed None known.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media No special measures required.

Extinguishing media which must not be used for safety reasons None.

5.2. Special hazards arising from the substance or mixture The product itself does not burn.

5.3. Advice for firefighters

Special protective equipment for firefighters In the event of fire, wear self-contained breathing apparatus. Wear protective suit.

Specific methods Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel Avoid dust formation. Avoid breathing dust.

Advice for emergency responders Avoid dust formation. Evacuate personnel to safe areas.

6.2. Environmental precautions Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up Pick up and arrange disposal without creating dust. Knock down dust with water spray jet.

6.4. Reference to other sections See chapter 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed. Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities Store at room temperature in the original container. Keep container tightly closed. Keep in a dry place.

7.3. Specific end use(s) No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit(s) No data is available on the product itself.

Portland cement (<1% quartz) (CAS 65997-15-1)

United Kingdom - Workplace 30 mg/m³ STEL (calculated, inhalable dust)
Exposure Limits (WELs) - STELs 12 mg/m³ STEL (calculated, respirable dust)
United Kingdom - Workplace 10 mg/m³ TWA (inhalable dust)
Exposure Limits (WELs) - TWAs 4 mg/m³ TWA (respirable dust)

Calcium dihydroxide (CAS 1305-62-0)

United Kingdom - Workplace 4 mg/m³ STEL (respirable fraction)
Exposure Limits (WELs) - STELs 15 mg/m³ STEL (calculated)
United Kingdom - Workplace 1 mg/m³ TWA (respirable fraction)
Exposure Limits (WELs) - TWAs 5 mg/m³ TWA

8.2. Exposure controls

Appropriate engineering controls General industrial hygiene practice. Avoid contact with the skin and the eyes. Wash hands before breaks and at the end of workday.

Personal protection equipment

Respiratory protection Do not breathe dust. Suitable mask with particle filter P3 (European Norm 143)

Hand protection Normally none needed. Use gloves if repeated or prolonged contact is expected. Protective gloves complying with EN 374.

Eye protection Avoid contact with eyes. In case of dust formation wear tightly fitting goggles. Safety glasses with side-shields conforming to EN166.

Skin and body protection No special measures required.

Thermal hazards No special measures required.

Environmental exposure controls No special measures required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Powder.
Colour Light grey.
Odour Odourless.
Melting point/ freezing point: >1700 °C
Boiling point or initial boiling point / range: Not determined.
Flammability: Not determined.
Lower and upper explosion limit: Not determined.
Flash point: does not ignite
Auto-ignition temperature: Not determined.
Decomposition temperature: Not determined.

pH:	11 - 13 (saturated aqueous suspension)
Kinematic viscosity:	Not determined.
Solubility:	insoluble (Water)
Partition coefficient n-octanol/water (log value):	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density:	2.75-3.20
Relative vapour density:	Not determined.
Particle characteristics:	Not applicable.

9.2. Other information

Other safety characteristics	No information available.
-------------------------------------	---------------------------

SECTION 10: Stability and reactivity

10.1. Reactivity	Reacts with acid with the evolution of CO ₂ .
10.2. Chemical stability	The product is chemically stable.
10.3. Possibility of hazardous reactions	No hazards to be specially mentioned.
10.4. Conditions to avoid	Avoid creating dust.
10.5. Incompatible materials	Incompatible with acids.
10.6. Hazardous decomposition products	None under normal use.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	No data is available on the product itself. Calcium dihydroxide (CAS 1305-62-0) Dermal LD50 Rat > 2500 mg/kg (ECHA_API) Inhalation LC50 Rat > 6.04 mg/L 4 h(ECHA_API) Oral LD50 Rat = 7340 mg/kg (NLM_CIP)
Skin corrosion/irritation	Cement has an irritant effect on skin and mucous membrane. Dry cement in contact with moist skin or skin in contact with moist or wet cement may result in various irritant and inflammatory reactions of the skin, e.g. redness and cracking. Prolonged contact with mechanical abrasion can cause serious skin damage.
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory / Skin Sensitisation	Individuals may develop skin eczema after exposure to moist cement. These are triggered either by the pH (irritant contact dermatitis) or by immunological reactions with water-soluble chromium(VI) (allergic contact dermatitis).

Carcinogenicity	Contains no ingredient listed as a carcinogen.
Germ cell mutagenicity	Contains no ingredient listed as a mutagen.
Reproductive toxicity	Contains no ingredient listed as toxic to reproduction.
Specific target organ toxicity (single exposure)	May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	This product contains respirable quartz as an impurity, which is classified as STOT RE1 according to the criteria in the Regulation (EC) no. 1272/2008. Prolonged and/or massive exposure to dust containing respirable crystalline silica can cause silicosis. This disease is a nodular pulmonary fibrosis caused by inhalation and deposition of mineral dust.
Aspiration hazard	No data available.
Human experience	No data available.
11.2. Information on other hazards	
Other information	No data available.

SECTION 12: Ecological information

12.1. Toxicity	No data available.
12.2. Persistence and degradability	The methods for determining biodegradability are not applicable to inorganic substances. Can be eliminated from water by sedimentation.
12.3. Bioaccumulative potential	Does not bioaccumulate.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).
12.6. Endocrine disrupting properties	No information available.
12.7. Other adverse effects	This product has no known eco-toxicological effects.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues / unused products	Can be landfilled, when in compliance with local regulations. European Waste catalogue code (EWC-code): 10 13 14 / 17 01 01 / 17 09 04. (corresponds to the VeVA Code - Ordinance on the Movement of Waste) The product should not be allowed to enter drains, water courses or the soil.
Contaminated packaging	Offer rinsed packaging material to local recycling facilities.

SECTION 14: Transport information

14.1. UN number or ID number	Not applicable.
14.2. UN proper shipping name	Not applicable.
14.3. Transport hazard class(es)	Not applicable.
14.4. Packing group	Not applicable.
14.5. Environmental hazards	Not applicable.
14.6. Special precautions for user	Not applicable.
14.7. Maritime transport in bulk according to IMO instruments	Not applicable.
UN Model Regulations	
ADR/RID	Not regulated.
IMDG	Not regulated.
IATA	Not regulated.
Further Information	Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information

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

Regulatory Information	The product is classified and labelled according to Regulation (EC) No. 1272/2008.
Portland cement (<1% quartz) (CAS 65997-15-1)	
TEDX (The Endocrine Disruption Exchange) - Potential Endocrine Disruptors	Present
Cement, alumina, chemicals (CAS 65997-16-2)	

EU - REACH (1907/2006) - List of Registered Substances Quartz (SiO₂) (CAS 14808-60-7)	Present
EU - Plant Protection Products (1107/2009/EC) - Active Substances	Only uses as repellent may be authorised (sand <=0.1% of particles of crystalline Silica with diameter <50 µm important details in Commission Implementing Regulation 2021/745/EU, listed under part A) Conditions of use shall include, where appropriate, risk mitigation measures (sand <=0.1% of particles of crystalline Silica with diameter <50 µm important details in Commission Implementing Regulation 2021/745/EU, listed under part A)
EU - REACH (1907/2006) - List of Registered Intermediates Calcium dihydroxide (CAS 1305-62-0)	Present ([238-878-4])
EU - Biocides (528/2012/EU) - Active Substances	3 - Veterinary hygiene (Commission Implementing Regulation 2016/1935/EU) 2 - Disinfectants and algacides not intended for direct application to humans or animals (Commission Implementing Regulation 2016/1935/EU)
EU - Plant Protection Products (1107/2009/EC) - Active Substances Not Included in the Annex to Regulation 540/2011/EC	Not included in Annex I to Directive 540/2011/EC
EU - REACH (1907/2006) - List of Registered Intermediates	Present ([215-137-3])
EU - REACH (1907/2006) - List of Registered Substances	Present
15.2. Chemical safety assessment	The contained Portland cement clinker is in accordance with Art. 2.7 (b) and Annex V, 7 of EC Regulation 1907/2006 (REACH) exempted from registration.

SECTION 16: Other information

Revision Note	This data sheet contains changes from the previous version in section(s): 1, 2, 3, 13, 15.
Key or legend to abbreviations and acronyms	CLP: Classification according to Regulation (EC) No. 1272/2008 (GHS) EWC: European Waste catalogue code VeVA: Ordinance on the Treatment of Waste (SR 814.610)
Key literature references and sources for data	Sources of key data used to compile the Safety Data Sheet: REACH, ECHA.
Classification procedure	Calculation method.
Full text of phrases referred to under sections 2 and 3	H315: Causes skin irritation. H318: Causes serious eye damage. H335: May cause respiratory irritation. H372: Causes damage to organs through prolonged or repeated exposure if inhaled. H373: May cause damage to organs through prolonged or repeated exposure if inhaled.

Training advice

Workers must be informed about the silica content of the product and must be trained in the intended use of the product.

Instructions for use

Restricted to professional users.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.