

Trade name :

Revision date : Print date : Mineral Lightweight Render R K3 3621 Mineral-Leichtputz R K3 3621 15.12.2022 15.12.2022

Version (Revision) :

12.0.0 (11.0.0)

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

1.1 Product identifier

Mineral Lightweight Render R K3 3621 Mineral-Leichtputz R K3 3621

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

There are no information about relevant identified uses of the product according to the Regulation (EC) No. 1907/2006 (REACH-Regulation), which are advised against. For using the product observe the information in the Technical data sheet of the product.

1.3 Details of the supplier of the safety data sheet

Supplier

Brillux GmbH & Co KG www.brillux.de

Street : Weseler Straße 401

Postal code/City: D - 48163 Münster

Telephone : +49 (0)251-7188-0

Telefax: +49 (0)251-7188-280

Information contact :

Electronic mail address of the well-informed person for safety data sheets:sdb@brillux.de

1.4 Emergency telephone number

Outside the business hours (9 a.m. to 5 p.m.): (Giftinformationszentrum-Nord, Göttingen, consultation in german or english language) Telephone: +49 (0)551-19240.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation. Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage. STOT SE 3 ; H335 - STOT-single exposure : Category 3 ; May cause respiratory irritation.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Corrosion (GHS05) · Exclamation mark (GHS07) Signal word Danger

Hazard components for labelling

CEMENT, PORTLAND, CHEMICALS ; CAS No. : 65997-15-1 CALCIUM DIHYDROXIDE ; CAS No. : 1305-62-0 Hazard statements H318 Causes serious eye damage. H315 Causes skin irritation.



Trade name :	Mineral Lightweight Render R K3 3621 Mineral-Leichtputz R K3 3621		
Revision date :	15.12.2022	Version (Revision) :	12.0.0 (11.0.0)
Print date :	15.12.2022		

H335	May cause respiratory irritation.		
Precautionary statements			
P261	Avoid breathing dust.		
P102	Keep out of reach of children.		
P280	Wear protective gloves/protective clothing/eye protection/face protection.		
P310	Immediately call a POISON CENTER or a doctor.		
P332+P313	If skin irritation occurs: Get medical advice/attention.		
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.		
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.		
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].		
P501	Dispose of contents/container to approved disposal company or local collection.		

2.3 Other hazards

The product does not contain any substances with endocrine-disrupting properties according to Article 59 Paragraph 1 or substances with endocrine-disrupting properties according to Regulations (EU) 2017/2100 or (EU) 2018/605. The product does not contain any substances, which fulfil the criteria for PBT or vPvB in accordance with the Annex XIII of the Regulation (EC) No 1907/2006 (REACH-Regulation).

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description

Mixture based on components, which are called following, and other components.

Hazardous ingredients

QUARTZ (SIO2) ; EC No. : 238-878-4; CAS No. : 14808-60-7 Weight fraction : ≥ 10 - < 20 % Classification 1272/2008 [CLP] : Substance with a common (EC) occupational exposure limit value. CEMENT, PORTLAND, CHEMICALS ; EC No. : 266-043-4; CAS No. : 65997-15-1 Weight fraction : ≥ 10 - < 20 % Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Skin Irrit. 2 ; H315 STOT SE 3 ; H335 CALCIUM DIHYDROXIDE ; REACH No. : 01-2119475151-45 ; EC No. : 215-137-3; CAS No. : 1305-62-0 ≥ 3 - < 10 % Weight fraction : Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Skin Irrit. 2 ; H315 STOT SE 3 ; H335 TITANIUM DIOXIDE ; EC No. : 236-675-5; CAS No. : 13463-67-7 Weight fraction : ≥ 0,1 - < 1 % Classification 1272/2008 [CLP] : Carc. 2 ; H351i FLUE DUST, CEMENT, PORTLAND (PZ) ; REACH No. : 01-2119486767-17 ; EC No. : 270-659-9; CAS No. : 68475-76-3 Weight fraction : ≥ 0,1 - < 1 % Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Skin Irrit. 2 ; H315 STOT SE 3 ; H335

Additional information

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical attention. Immediately remove all contaminated clothing. If unconscious no administration by mouth, storage in recovery position and seek medical advice. If medical advice is needed, have product container or label at hand.

Following inhalation



Trade name :

Revision date : Print date : Mineral Lightweight Render R K3 3621 Mineral-Leichtputz R K3 3621 15.12.2022 15.12.2022

Version (Revision) :

12.0.0 (11.0.0)

When symptoms persists, take the casualty into the fresh air and keep warm. Irregular breathing/no breathing: artificial respiration.

In case of skin contact

Take off immediately all contaminated clothes. Wash away with soap and water and rinse. Do NOT use solvents or thinners. If skin irritation continues, consult a doctor.

After eye contact

Remove contact lenses, keep eyelids open. Rinse open eye immediately with plenty of running water. Seek medical adivce if complaint continues.

Following ingestion

Drink water in small draught. Keep at rest. Do not induce vomiting. When swallowed immediately consult and show packing or label to physician.

4.2 Most important symptoms and effects, both acute and delayed

Possible symptoms: At eye contact: Irritation, burning, pain. At skin contact: Irritation. Irritation of the respiratory tract.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

This product is not flammable. In case of a fire extingnish surroundings as indicated.

Unsuitable extinguishing media

None known.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

5.3 Advice for firefighters

Special protective equipment for firefighters

When extinguishing fires, use breathing apparatus with an independent source of air.

5.4 Additional information

Cool endangered containers with water in case of fire. Do not allow run-off from fire-fighting to enter drains or water courses. With water for fire fighting arises an alkaline solution which can lead to irritations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Refer to protective measures listed in sections 7 and 8. Keep no protective persons away, personal should wear protective clothings. Avoid contact with eyes and skin. Do not breathe dust. Avoid dust formation.

6.2 Environmental precautions

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations. Aqueous cement slurries have an alkaline effect.

6.3 Methods and material for containment and cleaning up

For cleaning up

Take up dust-free and set down dust-free. Remove residue by rinsing thoroughly with water. Thoroughly clean contaminated objects and floors and observe environmental regulations.

6.4 Reference to other sections



Trade name :

Revision date : Print date : Mineral Lightweight Render R K3 3621 Mineral-Leichtputz R K3 3621 15.12.2022 15.12.2022

Version (Revision) :

12.0.0 (11.0.0)

See Section 7 for information on safe handling. You find information about the safety equipment of persons in the section 8, information about the refuse disposal in section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

No special measures necessary in the case of regulation storage and handling. Avoid contact with skin and eyes. Ensure a good ventilation in room and working area. For personal protection see Section 8. Read label before use. Mixtures of cement and water also can cause irritations.

Measures to prevent fire

This product is not flammable. No special precautionary measure necessary.

Measures to prevent aerosol and dust generation

Do not breathe dust. Avoid dust development.

Advices on general occupational hygiene

While working do not eat , drink or smoke. Wash hands and face before breaks and after work and take a shower if necessary. Immediately remove all contaminated clothing.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly in a dry, cool and good ventilated place. Do not store the product in lounge room. Keep only in the original container. Protect against frost. Keep out of the reach of children. Avoiding contact with water also during the storage.

Hints on joint storage

Store away from foodstuffs. Do not store together with acids and ammonium salts.

Storage class (TRGS 510): 13

7.3 Specific end use(s)

For using the product observe the information in the Technical data sheet of the product.

Industrial sector specific solutions

GISCODE : Produkt-Code gemäß GISBAU (Gefahrstoff-Informationssystem der deutschen Berufsgenossenschaften der Bauwirtschaft) für Verlegewerkstoffe (GISCODE): ZP1.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

CEMENT, PORTLAND, CHEMICALS ; CAS No. : 65997-15-1

Limit value type (country of origin) :	TRGS 900 (D)
Parameter :	E: inhalable fraction
Limit value :	10 mg/m ³
Version :	
Limit value type (country of origin) :	TRGS 900 (D)
Parameter :	A: respirable fraction
Limit value :	1,25 mg/m ³
Version :	
CALCIUM DIHYDROXIDE ; CAS No. : 1	305-62-0
Limit value type (country of origin) :	TRGS 900 (D)
Limit value :	1 mg/m ³
Version :	01.11.1994
Demonster	

Remark

Taking into account the details mentioned in the TRGS 900 for the supervision of AGW.

Page : 4 / 10



Trade name :

Revision date : Print date :

Mineral Lightweight Render R K3 3621 Mineral-Leichtputz R K3 3621 15.12.2022 15.12.2022

Version (Revision) :

12.0.0 (11.0.0)

DNEL-/PNEC-values

DNEL/DMEL

CALCIUM DIHYDROXIDE ; CAS No. : 1305-62-0 Limit value type : DNEL worker (local) Inhalation Exposure route : Exposure frequency : Short-term Limit value : 4 mg/m^3 Limit value type : DNEL worker (systemic) Exposure route : Inhalation Exposure frequency : Short-term Limit value : 4 mg/m³ PNEC CALCIUM DIHYDROXIDE ; CAS No. : 1305-62-0 Limit value Limit valu

Limit value type :	PNEC (Aquatic, freshwater)
Limit value :	356 µg/l
Limit value type :	PNEC (Aquatic, marine water)
Limit value :	356 µg/l
Limit value type :	PNEC (Soil)
Limit value :	1070 mg/kg

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn. Observe data available of section 7.

Personal protection equipment

Eye/face protection

Use tightly fitting safety glasses. Keep eyewashbath with pure water ready.

Skin protection

Hand protection

At use as agreed a protective gloves from nitrile rubber, tested according to EN 374, with a material thickness 0,38 mm has to be used. Notes of the manufacturer have to be taken into account. Penetration time of the glove material: > = 8 h.

By longer or repeated contact the penetration times can be considerably shorter. The protective gloves should replaced after the first wear out or a damage of the gloves. Gloves of cotton should be used under the gloves of polychloropren or nitrile rubber. After washing hands replace lost skin fat by fat containing skin creams.

Body protection

Using closed long-sleeved protective clothing and thick footwear. For mixing and stirring a rubber apron and protective boots is recommended.

Respiratory protection

Use respiratory masks by formation of dust. Use the dust respirator of the filter class FFP3.

General information

Avoid contact with eyes and skin. Immediately remove all contaminated clothing. Do not eat or drink during work - no smoking. Wash hands before breaks and after work. Ensure a good ventilation in room and working area. Not breathing in dust.

Environmental exposure controls

The product should not reach waters and the ground. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties **Appearance**

Brillux Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) Mineral Lightweight Render R K3 3621 Trade name : Mineral-Leichtputz R K3 3621 **Revision date :** 15.12.2022 Version (Revision) : 12.0.0 (11.0.0) 15.12.2022 Print date : Physical state : Solid. Colour : conformable to product designation. Odour odourless Safety characteristics Melting point/freezing point : (1013 hPa) No data available Initial boiling point and boiling (1013 hPa) not applicable range : Decomposition temperature : (1013 hPa) not applicable Flash point : not applicable Auto-ignition temperature : not applicable Lower explosion limit : not applicable Upper explosion limit : not applicable Vapour pressure : (50 °C) not applicable (20°C) No data available Density : Solvent separation test : (20°C) not applicable (20°C) Water solubility : practically insoluble 11 - 13,5 pH: log P O/W : not applicable Flow time : (20 °C) not applicable DIN-cup 4 mm Viscosity : (20 °C) not applicable Kinematic viscosity : (40 °C) not applicable

100

not applicable

Weight-%

Particle Characterics : 9.2 Other information

Relative vapour density :

Solid content :

Flammable solids :

Other physical and chemical data have not been determined.

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangers connected by a possible reactivity of the product are known to proper handling and storage.

10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

(20 °C)

Not applicable.

No data available

10.3 Possibility of hazardous reactions

No dangerous reactions are known if stored and handled the product correctly.

10.4 Conditions to avoid

Keep away from frost, heat and direct sunlight. Avoid exposure to air and moisture over a longer period.

10.5 Incompatible materials

No dangerous reaction known. Materials to avoid: acids, ammonium salts, aluminium, humidity and water.

10.6 Hazardous decomposition products

No dangerous decomposition product are known if stored and handled correctly.

SECTION 11: Toxicological information

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

Acute toxicity: - Acute oral toxicity: No data available;



Trade name :

Revision date : Print date : Mineral Lightweight Render R K3 3621 Mineral-Leichtputz R K3 3621 15.12.2022 15.12.2022

Version (Revision) :

12.0.0 (11.0.0)

- Acute dermal toxicity: No data available;

- Acute inhalation toxicity: No data available.

Acute oral toxicity

Parameter :	LD50 (CALCIUM DIHYDROXIDE ; CAS No. : 1305-62-0)
Exposure route :	Oral
Species :	Rat
Effective dose :	7340 mg/kg
a '	

Corrosion Irritation:

- Skin contact: Irritating to skin.

- Eye contact: Causes serious eye damage.
- Respiratory: May cause respiratory irritation.

Respiratory or skin sensitisation

A sensitizing effect by the product is not known.

The product contains chromate reducers, whereby the content of water-soluble chromium (VI) is less than 0.0002%. However, the chromate reducer contained may prematurely lose its effectiveness if the storage (moisture penetration) or overlaying is not appropriate, and a sensitizing effect of the cement on skin contact may occur.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

The product is not classified as human germ cell mutagenic, carcinogenic or human reproductive toxic (CMR effects).

STOT-single exposure

May cause respiratory and mucous irritation.

STOT-repeated exposure

No risk expected.

Aspiration hazard

No risk expected.

11.2 Information on other hazards

Endocrine disrupting properties

The product does not contain any substances with endocrine-disrupting properties according to Article 59 Paragraph 1 or substances with endocrine-disrupting properties according to Regulations (EU) 2017/2100 or (EU) 2018/605.

Other adverse effects

This product is unlikely to harm health, given normal and proper handling and hygenic precautions.

Additional information

The product is classified in toxicological terms on the basis of the results of the calculation procedure outlined within the Regulation (EC) No 1272/2008 (CLP-Regualtion), listed in sections 2 and 3.

At proper dealing and use as agreed the product does not cause any effects bad for health after our experiences and the information submitted to us.

SECTION 12: Ecological information

12.1 Toxicity

No information available.

12.2 Persistence and degradability

These are not data avaible about the potential of the product concerning his persistency and degradability.

12.3 Bioaccumulative potential

These are not data availble about the bio accumulation potential of the product.

12.4 Mobility in soil

These are not datas available about the potential of the product concerning his mobility in the ground. A penetrating into soil, waters and sewage system should be prevented.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

Page : 7 / 10



Trade name :

Revision date : Print date : Mineral Lightweight Render R K3 3621 Mineral-Leichtputz R K3 3621 15.12.2022 15.12.2022

Version (Revision) :

12.0.0 (11.0.0)

12.6 Endocrine disrupting properties

The product does not contain any substances with endocrine-disrupting properties according to Article 59 Paragraph 1 or substances with endocrine-disrupting properties according to Regulations (EU) 2017/2100 or (EU) 2018/605.

12.7 Other adverse effects

Acute or chronic damages to water organisms by the product in the aquatic environment are not expecting.

12.8 Additional ecotoxicological information

Avoid exposing into ground, waterways and drainage. The classification of the product is based on summation of classified components according to the Regulation (EC) No 1272/2008 (CLP-Regulation). See details in sections 2 and 3.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Directive 2008/98/EC (Waste Framework Directive)

Before intended use

Dispose of contents/container to approved disposal company or local collection according to the local regulations. Packaging with not dry uped residues have to droped at official collecting sites. Packaging with dry uped residues can be disposed together with household garbage or building site garbage. Do not empty into waters or drains.

Waste codes/waste designations according to EWC/AVV

For the product:

Disposal-definition No. (EWC-Code): 17 01 01 - concrete.

After intended use

Only empty packaging can be transfered to recycling. Uncleaned packaging must be disposed of in the same manner as the medium.

Waste codes/waste designations according to EWC/AVV

Disposal-definition No.: 17 09 04 - mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03.

SECTION 14: Transport information

14.1 UN number

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4 Packing group

No dangerous good in sense of these transport regulations.

14.5 Environmental hazards No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

-None

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant because the product in type of delivery does not transport in bulks according to the Internationa Maritime Organization (IMO) instruments.

SECTION 15: Regulatory information

^{15.1} Safety, health and environmental regulations/legislation specific for the substance or mixture



Trade name :

Revision date : Print date : Mineral Lightweight Render R K3 3621 Mineral-Leichtputz R K3 3621 15.12.2022 15.12.2022

Version (Revision) :

12.0.0 (11.0.0)

EU legislation

Other regulations (EU)

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds

The product is not subject to the EU guideline 2004/42/EC about the limitation of the issues of brief organic connections due to the use of organic solvents in certain colours and varnishes.

National regulations

Water hazard class

Classification according to AwSV - Class : 1 (Slightly hazardous to water)

Additional information

The product is classified as a solid substance according to the criteria of the Penetrometer test (ADR, part 2, section 2.3.4) and also fulfils the criteria for solid substances according to the TRwS 779 number 2.1.1. Maternity regulations and Young Persons Employment Act are to take into account.

15.2 Chemical Safety Assessment

A chemical safety assessments was not carried out.

SECTION 16: Other information

16.1 Indication of changes

None

16.2 Abbreviations and acronyms

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures) ADR: European agreement concerning the international carriage of dangerous goods by road (Accord européen relatif transport des merchandises dangereuses par route)

AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany) AOX: Adsorbable Organic halogen compounds

ATEmix: Calculated acute toxicity estimate of mixture

BCF: Bio-Concentration Factor

CAS: Chemical Abstract Service

CLP: Classification, Labelling and Packaging

CMR: Substances classified as Carcinogenic, Mutagenic or toxic for Reproduction

CSR: Chemical Safety Report

DNEL: Derived No Effect Level

EC: European Commission

EC50: Effective Concentration 50%

ECHA: European Chemical Agency

EEC: European Economic Community

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

EWC: European Waste Catalogue

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

IC50: Inhibition Concentration 50%

IMDG Code: International Maritime Dangerous Goods Code

IMO: International Maritime Organization

LC50: Lethal concentration 50%

LD50: Lethal Dose 50%

LOAEL: Lowest Observed Adverse Effect Level

LOEL: Lowest observable effect level

MAK: Treshold limit values Germany (Maximale Arbeitsplatzkonzentration - DFG)

MARPOL: Convention for the Preventation of Marine Pollution from Ships

MVZ: molar ratio

n.a.: Not applicable

n.d.: Not determined

n.r.: Not relevant



Trade name :

Revision date : Print date : Mineral Lightweight Render R K3 3621 Mineral-Leichtputz R K3 3621 15.12.2022 15.12.2022

Version (Revision) :

12.0.0 (11.0.0)

NLP: No Longer Polymers NOAEC: No Observed Adverse Effect Concentration NOAEL: No Observed Adverse Effect Level NOEC: No Observed Effect Concentration NOEL: No Observed Effect Level OEL: Occupational Exposure Limit PBT: Persistent, bioaccumulative, toxic PNEC: Predicted No Effect Concentration RCP: Reciprocal calculation procedure REACH: Registration, Evaluation and Authorization of Chemical) RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer) STEL: Short-term Exposure Limit SVHC: Substance of Very High Concern TLV - TWA: Threshold Limit Value - Time Weighed Average VOC: Volatile Organic Compounds vPvB: Very persistent, very bioaccumulative.

16.3 Key literature references and sources for data

None

^{16.4} Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

The evaluation of hazard information of the product was carried out in accordance to Annex I of the REGULATION (EC) No 1272/2008 (CLP Regulation).

16.5 Relevant H- and EUH-phrases (Number and full text)

- H315 Causes skin irritation.
- H318 Causes serious eye damage.
 - H335 May cause respiratory irritation.
- H351i Suspected of causing cancer if inhaled.

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.