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according to 1907/2006/EC, article 31

Version number 2

Date printed: 25.10.2018 *revised on: 25.10.2018*

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SECTION 1: Identification of the substance, mixture and company, respectively

1.1 Product identifier

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1.2 Relevant identified applications of the substance or mixture and applications advised against

Ready-to-apply, natural white lime-based filler for indoor application.

All other uses are advised against.

1.3 Details on the supplier that provides the safety data sheet

Manufacturer/Supplier:
Baumit GmbH
Reckenberg 12
D-87541 BAD HINDELANG
Telephone + 49 8324 921 1025
Fax: + 49 49 8324 921 1029
E-mail (expert): sdb@baumit.de

Further information obtainable from: Product Safety Department

1.4 Emergency telephone number: Poison Information Centre Mainz +49 6131 19240

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SECTION 2: Potential hazards

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) no. 1272/2008
Skin Irrit. 2 H315 Causes skin irritations.
Eye Dam. 1 H318 Causes severe eye damage.

2.2 Label elements

Label according to Regulation (EC) no. 1272/2008
The product is classified and labelled according to the CLP-Regulation.

Hazard pictograms

GHS05

Signal word: Hazard

Hazard-determining components of labelling
Calcium hydroxide

Hazard warnings
H315 Causes skin irritations.
H318 Causes severe eye damage.

Safety instructions
P101 If medical advice is required, please keep the packaging and label handy.
P102 Keep out of reach of children.
P280 Wear protective gloves / eye protection / face protection.
P305+P351+P338 IF CONTACTED WITH THE EYES: Gentle rinse with water for a few minutes. Remove any contact lenses, if possible. Continue rinsing.
P315 Immediately seek medical advice/get medical attention.
P302+P352 IF CONTACTED WITH THE SKIN: Wash with plenty of water.

(Continued on page 2)

Safety data sheet

according to 1907/2006/EC, article 31

Version number 2

baumit.com

Date printed: 25.10.2018 *revised on: 25.10.2018*

KlimaFinish

(Continued from page 1)

P332+P313 In case of skin irritation: Seek medical advice/get medical attention.
P362+P364 Take off contaminated clothes and wash before reuse.
P501 Send content/containers for recycling according to the local/regional/national/international regulations.

2.3 Other hazards The product is slightly hazardous to water.

Results of the PBT and vPvB assessment
The criteria for identifying persistent, bioaccumulative and toxic substances (PBT) and very persistent and very bioaccumulative substances (vPvB) according to the appendix XIII of Regulation (EC) no. 1907/2006 are not met.

SECTION 3: Composition/information on components

3.2 Chemical characterisation: Mixtures

Description: Mixture: consisting of the substances listed hereinafter.

Dangerous constituents:		
CAS: 1305-62-0 EINECS: 215-137-3 Reg. no.: 01-2119475151-45-	Calcium hydroxide *Ey* Eye Dam. 1, H318; <j> Skin Irrit. 2, H315; STOT SE 3, H335	<9%

Additional information:
The wording of the listed hazard warnings can be inferred from section 16.

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SECTION 4: First-aid measures

4.1 Description of the first-aid measures

General information:
No special personal protective equipment is required for first responders. However, first responders should avoid contact with the moist mortar.

After inhalation: If unconscious, place in a stable side position for transport.

After skin contact:
Wash the affected skin surface immediately with plenty of water to remove all product residues. Immediately take off and/or remove soaked gloves, clothes, shoes, watches, etc. Thoroughly wash and/or rinse clothes, shoes, watches, etc. before reuse. Consult a doctor in case of skin complaints.

After eye contact:
Do not rub the eyes dry because mechanical strain may cause additional eye damage. If applicable, remove contact lenses and rinse the eye immediately with open eyelids under running water for at least 20 minutes to remove all particles. If possible, use an isotonic eye-rinsing solution (e.g. 0.9% NaCl). Always consult an occupational health professional or ophthalmologist.

If swallowed: Consult a doctor in case of persistent complaints.

4.2 Most important acute and delayed symptoms and effects
No acute or delayed symptoms and effects can be identified.

Eyes: Eye contact can cause severe and possibly permanent eye.

Skin: Risk of skin irritations, dermatitis or other severe skin damage.

(Continued on page 3)

(Continued from page 2)

4.3 Information on immediate medical attention or special treatment
If a doctor is consulted, present this safety data sheet if possible.

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SECTION 5: Fire fighting measures

5.1 Extinguishing agents
The product is not flammable either as delivered or in mixed condition. Hence, extinguishing media and firefighting must be adapted to the local fire.

Suitable extinguishing media: Adapt fire extinguishing measures to suit the environment.

5.2 Special hazards arising from the substance or mixture
None. The product is neither explosive, nor flammable and also is not oxidising with other materials.

5.3 Information for firefighting
If applicable, a self-contained breathing apparatus is required. Cool down closed containers in proximity to the fire with water. Do not allow extinguishing water to enter the sewer system. Aqueous, liquid product is not flammable as long as the water content is present.

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SECTION 6: Accidental release measures

6.1 Personal safety precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.
Avoid contact with eyes and the skin, individual protective measures (see section 8).

6.2 Environmental protection measures
Do not allow to enter the sewer system/surface water/groundwater (pH-level increase).

6.3 Methods and material for containment and cleaning
Absorb with liquid-binding material (sand, diatomaceous earth, acid binders, universal binders, sawdust).
Use neutralising agents.
Dispose of contaminated material as waste according to section 13.

6.4 Reference to other sections
Information on safe handling, see section 7.
Information on personal protective equipment: see section 8.
Information on disposal: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Ensure proper ventilation/exhaustion at the workplace.

Information about fire and explosion protection: No special measures are required.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and containers:
No special requirements.
Only store in original container.

Storage class: 13

7.3 Specific end uses No further relevant information available.

(Continued on page 4)

Safety data sheet
according to 1907/2006/EC, article 31

baumit.com

Date printed: 25.10.2018 *Version number 2* *revised on: 25.10.2018*

KlimaFinish

(Continued from page 3)

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SECTION 8: Limitation and monitoring of exposure/personal protective equipment

8.1 Control parameters

Components with limits to be observed in relation to the workplace:	
1305-62-0 Calcium hydroxide	
Occupational	Long-term value: 1E mg/m³ 2(I);Y, EU, DFG

Additional information:
The lists that were valid at the time of the creation were used as basis.
A = alveolar dust fraction
E = inhalable fraction

8.2 Exposure limitation and monitoring

8.2.1 Appropriate engineering controls not determined

8.2.2 Individual protection measures, e.g. personal protective equipment

General:

General protective and hygienic measures:
Keep away from food, beverages and animal feed.
Take off contaminated and soaked clothes immediately.
Avoid contact with the skin.
Avoid contact with skin and eyes.

Skin protection:

Protective glove

The glove material must be impermeable and resistant to the product / substance / preparation.

Eye/facial protection:

Tightly sealed safety goggles

Body protection: Protective work clothing

8.2.3 Environmental exposure limitation and monitoring
Avoid release into the environment. Use or properly dispose of residual quantities.

Water: Do not allow product to enter waters since this could cause an increase of the pH-level. A pH-level of more than 9 can cause ecotoxicological effects. Waste water and ground water regulations are to be complied with.

Soil: Compliance with the Federal Soil Protection Act (BBodSchG) and the Federal Soil Protection and

(continued on page 5)

Safety data sheet
according to 1907/2006/EC, article 31

Date printed: 25.10.2018 *Version number 2 revised on: 25.10.2018*

KlimaFinish

(Continued from page 4)

Contaminated Sites Regulation (BBodSchV). No special control measures are required.

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SECTION 9: Physical and chemical properties

9.1 Information on the fundamental physical and chemical properties	
Form:	Dispersion
Colour:	Diverse, depending on colouring Characteristic
Odour:	Not determined.
Odour threshold:	
pH-level (T = 20 °C ready-made mixed in water) at 20 °C:	11.5-13
State change	
Melting point/freezing point:	
Initial boiling point and boiling range:	Not determined. 100 °C
Flash point:	Not applicable.
Inflammability (solid, gaseous):	Not applicable.
Decomposition temperature:	Not determined.
Auto-ignition temperature:	The product is not self-igniting.
Explosive properties:	The product is not explosive.
Explosion limits:	
Lower: Upper:	Not applicable. Not applicable.
Vapour pressure:	
Density:	Not determined.
Relative density at 20 °C	
Vapour density	approx. 1700 kg/m^3 Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with water:	< 2 g/l at 20°C in relation to calcium hydroxide
Distribution coefficient: n-octanol/water:	Not determined.
Organic solvents:	0.0 %
oxidising properties:	Non-oxidising.
9.2 Other information	Additional information on the physical-chemical properties according to appendix II section 9 of Regulation (EC) no. 2007/2006 was not provided since it does not apply.

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SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if used as intended. Protect from frost, heat and direct sunlight.

(Continued on page 6)

Safety data sheet

according to 1907/2006/EC, article 31

Version number 2

baumit.com

Date printed: 25.10.2018 *revised on: 25.10.2018*

KlimaFinish

(Continued from page 5)

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:
No decomposition if used as intended.

10.3 Possibility of hazardous reactions

No hazardous reactions are known (see also 10.5).

10.4 Conditions to be avoided No further relevant information available.

10.5 Intolerable materials
Reacts exothermally with acids; the moist product is alkaline and reacts with acids, ammonium salts and non-precious metals, e.g. Aluminium, zinc, messing. Hydrogen is the product of the reaction with non-precious metals.

10.6 Hazardous decomposition products No hazardous decomposition products are known.

SECTION 11: Toxicological data

11.1 Information on toxicological effects

Acute toxicity Based on the available data, the classification criteria are not met.

Calcium dihydroxide
dermal:
LD50 > 2500 mg/kg bw (calcium dihydroxide, OECD 402, rabbit)

inhalative:
No data available.

oral:
LD50 > 2000 mg/kg bw (OECD 425, rat)

Primary irritant effect

Caustic/irritant effect on the skin
Calcium dihydroxide irritates the skin (in vivo, rabbit). As a result of studies, calcium dihydroxide is to be classified as a skin irritant (H315 - Causes skin irritations, R38 - Irritates the skin).
Causes skin irritations.

Severe eye damage/irritation
As a result of studies (in vivo, rabbit), calcium dihydroxide can result in severe eye damage (H318 - Causes severe eye damage, R41 - Risk of serious eye damage).
Causes severe eye damage.

Respiratory tract/skin sensitisation
Based on the mechanism (pH-change) and the significance of calcium in human nutrition, calcium m dihydroxide is not to be classified as a skin sensitiser.

Germ cell mutagenicity
Genotoxic potential of calcium dihydroxide is not known (bacterial reverse mutation assay (Ames test, OECD 471): negative).

Carcinogenicity
Calcium (administered as calcium lactate) is not carcinogenic (result of experiment, rat). There is no carcinogenic risk based on the pH-effect of calcium dihydroxide (epidemiological data of humans is available).

(Continued on page 7)

Safety data sheet

according to 1907/2006/EC, article 31

Date printed: 25.10.2018 *Version number 2 revised on: 25.10.2018*

KlimaFinish

(Continued from page 6)

Reproductive toxicity
Calcium (administered as calcium carbonate) is not toxic for reproduction (result of experiment, mouse). Based on the pH-effect, there is no indication of a risk of reproduction (epidemiological data of humans is available).

Specific target organ toxicity in case of one-time exposure
Calcium dihydroxide irritates the respiratory tract (STOT SE 3, H335 - Can irritate the respiratory tract, R37 - Irritates the
respiratory tract)

CMR-effects (carcinogenicity, mutagenicity and toxicity for reproduction)
Germ cell mutagenicity Based on the available data, the classification criteria are not met.
Carcinogenicity Based on the available data, the classification criteria are not met.
Toxicity for reproduction Based on the available data, the classification criteria are not met.
Specific target organ toxicity in case of one-time exposure
Based on the available data, the classification criteria are not met.
Specific target organ toxicity in case of repeated exposure
Based on the available data, the classification criteria are not met.
Aspiration hazard Based on the available data, the classification criteria are not met.

SECTION 12: Environmental information

12.1 Toxicity

Calcium dihydroxide
Acute/long-term toxicity in fish:
LC50 (96h) for freshwater fish: 50.6 mg/l, LC50 (96h) for marine fish: 457 mg/l

Acute/long-term toxicity in aquatic invertebrates:
EC50 (48h) in invertebrate freshwater organisms 49.1 mg/l, LC50 (96h) in invertebrate marine water organisms 158 mg/l

Acute/long-term toxicity for water plants.
EC50 (72h) for freshwater algae: 184.57 mg/l, NOEC (72h) for freshwater algae: 48 mg/l

Acute/long-term toxicity for micro-organisms, e.g. bacteria:
At a high concentration, calcium dihydroxide causes an increase of the temperature and pH-level.

Chemical toxicity in aquatic organisms:
NOEC (14d) in invertebrate marine organisms 32 mg/l

Toxicity in soil organisms:
EC10/LC10 or NOEC for soil macro-organisms 2000 mg/kg soil dry weight, EC10/LC10 or NOEC for soil micro-organisms 12000 mg/kg soil dry weight

Toxicity in plants:
NOEC (21d) for plants: 1080 mg/kg

General effect:
Acute pH-level effect. Although calcium dihydroxide can be used to neutralise acidified water, aquatic organisms can be damaged if 1 g/l is exceeded.
A pH-level of > 12 will quickly decrease due to dilution and carbonisation.

Aquatic toxicity: No further relevant information available.

12.2 Persistence and decomposability Not applicable.

(Continued on page 8)

Safety data sheet

according to 1907/2006/EC, article 31

Version number 2

baumit.com

Date printed: 25.10.2018 *revised on: 25.10.2018*

KlimaFinish

(Continued from page 7)

12.3 Bioaccumulative potential Not applicable.

12.4 Mobility in the soil No further relevant information available.

Further ecological information:

General information:
Water hazard class 1 (self-classification): slightly hazardous to water
Do not allow to enter the groundwater, bodies of water or the sewer system in a non-undiluted state or in large quantities.
Must not be allowed to enter waste water or receiving waters in a non-undiluted or non-neutralised state.

12.5 Results of the PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

12.6 Other harmful effects No further relevant information available.

SECTION 13: Disposal instructions

13.1 Waste treatment procedure

Unused residual quantities of the product:
The product should not be disposed of with household waste. Only completely emptied packaging with hardened remnants should be recycled. Non-hardened remains should be disposed of according to the local and official specifications (in compliance with the European List of Waste Materials).

European List of Waste Materials
08 01 12 Ink and lacquer waste with the exception of those that fall under 08 01 11

Non-cleaned packaging:

Recommendation: Disposal according to the official regulations.
Recommended cleaning agent: Water, if applicable, with the addition of cleaning agents.

Waste classification key according to the ordinance on the list of waste materials:
The specified waste material numbers are simply examples. The actual waste classification number depends on the origin and composition of the waste. A waste classification key should be allocated in coordination with the competent authorities in accordance with the national and regional provisions.

SECTION 14: Information on transport

Not hazardous material according to the regulations on the carriage of dangerous goods ADR/RID, ADN, IMDG-code, ICAO-TI, IATA-DGR.

14.1 UN-number **ADR, ADN, IMDG, IATA**	not applicable
14.2 Proper UN shipping name **ADR, ADN, IMDG, IATA**	not applicable
14.3 Transport hazard classes **ADR, ADN, IMDG, IATA** **Class**	not applicable

(Continued on page 9)

Safety data sheet

according to 1907/2006/EC, article 31

Version number 2

baumit.com

Date printed: 25.10.2018 *revised on: 25.10.2018*

KlimaFinish

(Continued from page 8)

14.4 Packaging group **ADR, IMDG, IATA**	not applicable
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for the user	Not applicable.
14.7 Transport in bulk according to appendix II of the MARPOL Convention and according to the IBC-Code	Not applicable.
UN "Model Regulation":	not applicable

SECTION 15: Statutory regulations

15.1 Safety, health and environmental protection regulations/specific statutory regulations for the substance or mixture

Relevant regulations, provisions and laws: Labour Protection Act, Hazardous Materials Regulation

Relevant Technical Rule for Hazardous Substances (TRGS): TRGS 200, TRGS 402, TRGS 500, TRGS 510, TRGS 900

Relevant trade association regulations and rules (BGR) of the statutory accident insurance (GUV):
BGR 190 (Rules for the use of breathing apparatuses)
BGR 192 (Rules for the use of eye and facial protection)
BGR 189 (Rules for the use of protective clothing)
BGR 195 (Rules for the use of protective gloves)

Directive 2012/18/EU
Named hazardous substances - APPENDIX I Does not include any of the constituents.
REGULATION (EC) No. 1907/2006 APPENDIX XVII Conditions of restriction: 3

Water hazard class:
Water hazard class 1 (self-classification according to VwVwS, appendix 4): slightly hazardous for water.
Calcium hydroxide, Id-no. 320 according to VwVwS

Storage class according to TRGS 510: Storage class 12 (non-flammable liquids) according to TRGS 510

15.2 Chemical safety assessment
A chemical safety assessment was not performed for this mixture.

SECTION 16: Other particulars

Methods according to article 9 of Regulation (EC) 1272/2008 to assess the information for classification purposes:
The assessment was made according to article 6, par. 5 and appendix I of Regulation (EC) no. 1272/2008.

Relevant phrases
H315 Causes skin irritations.
H318 Causes severe eye damage.
H335 Can irritate the respiratory tract.

Training instructions
Additional training that goes beyond the prescribed instruction when working with hazardous materials is not required.

Department issuing data sheet: Quality assurance department

(Continued on page 10)

Safety data sheet

according to 1907/2006/EC, article 31

Version number 2

baumit.com

Date printed: 25.10.2018 *revised on: 25.10.2018*

KlimaFinish

(Continued from page 9)

Contact: info@baumit.de

Abbreviations and acronyms:
Skin Irrit. 2: Skin irritant/caustic effect - Category 2
Eye Dam. 1: Severe eye damage/irritation - Category 1
STOT SE 3: Specific target organ toxicity (one-time exposure) - Category 3

*** Data changed compared to the previous version**

Disclaimer

The information in this safety data sheet describes the safety requirements of our product and is based on the current level of our knowledge. It does not represent any guarantee of properties. For additional information, see also the technical data sheet and product data sheet, respectively. Existing laws, regulations and rules, also those not mentioned in this data sheet must be complied with by recipients of our products at their own responsibility.