

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



baumit.com

SPEZIKALK

Version number: GHS 2.0
Replaces version of: 10/12/2022 (GHS 1)

Revision:
02/07/2023

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

1.1 Product identifier

Identification of the substance	Calciumdihydroxid Ca(OH)₂
Registration number (REACH)	01-2119475151-45-xxxx 01-2119862018-38-xxxx
CAS number	1305-62-0
Unique formula identifier (UFI)	substance; not relevant / delivery note

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

Relevant identified uses	Observe technical data sheet
Uses advised against	Observe technical data sheet

1.3 Details of the supplier of the safety data sheet

Baumit GmbH
Wopfing 156
A-2754 Waldegg
Austria

Telephone: **+43 (0)501 888 0**
e-mail: **office@baumit.com**

1.4 Emergency telephone number

Poison centre			
Country	Name	Postal code/ city	Telephone
Austria	Vergiftungsinformationszentrale an der 1. Medizinischen Universitätsklinik 24h Notruf Mo-So	1090 Wien	+43 (0)1 4064 343-0

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Section	Hazard class	Cat-egory	Hazard class and category	Hazard statement
3.2	skin corrosion/irritation	2	Skin Irrit. 2	H315
3.3	serious eye damage/eye irritation	1	Eye Dam. 1	H318
3.8R	specific target organ toxicity - single exposure (respiratory tract irritation)	3	STOT SE 3	H335

For full text of abbreviations: see SECTION 16.

2.2 Label elements

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

- **Signal word:** danger

- **Pictograms:**

GHS05, GHS07



- **Hazard statements:**

H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

- **Precautionary statements:**

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.
P260 Do not breathe dust.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of 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.
P310 Immediately call a POISON CENTER/doctor.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$.

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SECTION 3: Composition/information on ingredients

3.1 Substances

Name of substance	Kalkhydrat
Identifiers	
REACH Reg. No	01-2119475151-45-xxxx 01-2119862018-38-xxxx
CAS No	1305-62-0
EC No	215-137-3
Purity	100 %
Molecular formula	CaH ₂ O ₂
Molar mass	74.09 g/mol

SECTION 4: First aid measures

4.1 Description of first aid measures

- General notes

Avoid contact with skin and eyes.
Avoid breathing dust.
Prevent skin contact.
In all cases of doubt, or when symptoms persist, seek medical advice.

- Following inhalation

In case of respiratory tract irritation, consult a physician.

- Following skin contact

Rinse skin with water/shower.

- Following eye contact

Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.
Remove contact lenses, if present and easy to do. Continue rinsing.
Seek medical advice immediately.

- Following ingestion

Rinse mouth with water (only if the person is conscious).
Do NOT induce vomiting.
Call a POISON CENTER.

4.2 Most important symptoms and effects, both acute and delayed

Risk of serious damage to eyes.
Extended inhalation at levels above the occupational exposure limit values can cause irreversible damage to the lungs.

4.3 Indication of any immediate medical attention and special treatment needed

There is no additional information.

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SECTION 5: Firefighting measures

- 5.1 Extinguishing media**
- **Suitable extinguishing media**
Non-combustible.
 - **Unsuitable extinguishing media**
Not relevant.
- 5.2 Special hazards arising from the substance or mixture**
None.
Not dust explosion capable.
Non-combustible.
- 5.3 Advice for firefighters**
Non-combustible.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures**
- **For non-emergency personnel**
Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing.
 - **For emergency responders**
[In case of inadequate ventilation] wear respiratory protection.
- 6.2 Environmental precautions**
Keep away from drains, surface and ground water (PH (value))
Disposal considerations: see section 13.
- 6.3 Methods and material for containment and cleaning up**
- **Advice on how to contain a spill**
Collect spillage.
Use appropriate container to avoid environmental contamination.
Wet clean or vacuum up solids.
Don't use a brush or compressed air for cleaning surfaces or clothing.
 - **Advice on how to clean up a spill**
Take up mechanically.
 - **Other information relating to spills and releases**
Place in appropriate containers for disposal.
- 6.4 Reference to other sections**
See also to sections 8 and 13 of the safety data sheet. Section 7.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Recommendations

Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing.

- Measures to prevent fire as well as aerosol and dust generation

Non-combustible.

- Specific notes/details

Dust deposits may accumulate on all deposition surfaces in a technical room.

- Handling of incompatible substances or mixtures

Do not mix with other chemicals.

- Advice on general occupational hygiene

Wash hands after use.

Do not eat, drink and smoke in work areas.

Remove contaminated clothing and protective equipment before entering eating areas.

Never keep food or drink in the vicinity of chemicals.

Never place chemicals in containers that are normally used for food or drink.

7.2 Conditions for safe storage, including any incompatibilities

Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing.

Removal of dust deposits.

7.3 Specific end use(s)

See section 16 for a general overview.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m ³]	STEL [ppm]	STEL [mg/m ³]	Ceiling-C [ppm]	Ceiling-C [mg/m ³]	Notation	Source
AT	biologically inert suspended solids		MAK		10		20 (60 min)			i	GKV
AT	biologically inert suspended solids		MAK		5		10 (60 min)			r	GKV
AT	calcium dihydroxide	1305-62-0	MAK		1				4 (5 min)	i	GKV
EU	calcium dihydroxide	1305-62-0	IOELV		1		4			r	2017/164/EU

Notation

Ceiling-C	ceiling value is a limit value above which exposure should not occur
i	inhalable fraction
r	respirable fraction
STEL	short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
TWA	time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

Human health values

Relevant DNELs and other threshold levels				
Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
DNEL	1 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
DNEL	4 mg/m ³	human, inhalatory	worker (industry)	acute - local effects

Environmental values

Relevant PNECs and other threshold levels				
Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
PNEC	0.49 mg/l	aquatic organisms	freshwater	short-term (single instance)
PNEC	0.32 mg/l	aquatic organisms	marine water	short-term (single instance)

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Relevant PNECs and other threshold levels				
Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
PNEC	3 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
PNEC	1,080 mg/kg	terrestrial organisms	soil	short-term (single instance)

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8.2 Exposure controls

- Appropriate engineering controls

Use local and general ventilation

- Individual protection measures (personal protective equipment)



Wear eye/face protection



Wear protective gloves

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.



Safety footwear



Wear respiratory protection
Filtering half mask (EN 149)

- Environmental exposure controls

Avoid release to the environment. Refer to special instructions/safety data sheets. Before discharge of the waste water into a municipal waste water treatment facility the product normally needs to be neutralised.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	solid
Colour	not determined
Odour	characteristic
Melting point/freezing point	>450 °C
Boiling point or initial boiling point and boiling range	not determined
Flammability	non-combustible
Lower and upper explosion limit	not determined
Flash point	not applicable
Auto-ignition temperature	>400 °C (ECHA)
Decomposition temperature	not relevant
pH (value)	12 – 13 (in aqueous solution: 80 % (w/w), 20 °C) (base)
Kinematic viscosity	not relevant

Solubility(ies)

Water solubility	999 mg/l at 20 °C
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Partition coefficient

Partition coefficient n-octanol/water (log value)	not relevant (inorganic)
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Vapour pressure	not determined
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Density and/or relative density

Density	not determined
Relative vapour density	information on this property is not available

Particle characteristics	no data available
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9.2 Other information

Information with regard to physical hazard classes	hazard classes acc. to GHS (physical hazards): not relevant
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Other safety characteristics

Surface tension	72 mN/m (20 °C) (ECHA)
Solid content	100 %

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The product develops an alkaline pH value with moisture and can cause irritation. Reactivity with water.

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Protect from moisture.

10.5 Incompatible materials

Acids.

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known.

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SECTION 11: Toxicological information

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

- Classification according to GHS (1272/2008/EC, CLP)

- Acute toxicity

Shall not be classified as acutely toxic.

GHS of the United Nations, annex 4: May be harmful if swallowed, in contact with skin or if inhaled.

- Skin corrosion/irritation

Causes skin irritation.

- Serious eye damage/eye irritation

Causes serious eye damage.

- Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

- Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

- Carcinogenicity

Shall not be classified as carcinogenic.

- Reproductive toxicity

Shall not be classified as a reproductive toxicant.

- Specific target organ toxicity - single exposure

May cause respiratory irritation.

- Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

- Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

11.2 Information on other hazards

There is no additional information.

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SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Endocrine disrupting properties

Not listed.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Wet clean or vacuum up solids.

- Waste codes/waste designations according to LoW:

10 13 04: Wastes from calcination and hydration of lime

- Schlüsselnummer nach nationaler Abfallverzeichnisverordnung (ÖNORM S2100)

92302: Düngekalk, Ätzkalk, Karbonatationskalk aus der Zuckerindustrie; Materialien, die nach der Kompostverordnung als Zuschlagstoff für die Herstellung von Qualitätskompost und Kompost geeignet sind.

- Waste treatment-relevant information

Recycling/reclamation of other inorganic materials.

- Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

- Waste treatment of containers/packagings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

- Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

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SECTION 14: Transport information

- | | |
|---|---|
| 14.1 UN number or ID number | not assigned |
| 14.2 UN proper shipping name | not assigned |
| 14.3 Transport hazard class(es) | none |
| 14.4 Packing group | not assigned |
| 14.5 Environmental hazards | non-environmentally hazardous acc. to the dangerous goods regulations |
| 14.6 Special precautions for user | There is no additional information. |
| 14.7 Maritime transport in bulk according to IMO instruments | The cargo is not intended to be carried in bulk. |

Information for each of the UN Model Regulations

- Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) - Additional information

Not subject to ADR, RID and ADN.

- International Maritime Dangerous Goods Code (IMDG) - Additional information

Not subject to IMDG.

- International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Not subject to ICAO-IATA.

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SECTION 15: Regulatory information

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

- Relevant provisions of the European Union (EU)

- Restrictions according to REACH, Annex XVII

Name of substance	Name acc. to inventory	No
Calciumdihydroxid Ca(OH) ₂	substances in tattoo inks and permanent make-up	75

- List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

Not listed.

- Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

Not listed.

- Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

Not listed.

Water Framework Directive (WFD)

Name of substance	Wt%
Calciumdihydroxid Ca(OH) ₂	100

- Regulation on the marketing and use of explosives precursors

Not relevant.

- Regulation on persistent organic pollutants (POP)

Not listed.

- National regulations (Austria)

- Ordinance on combustible liquids (VbF)

Not applicable.

- National inventories

Country	Inventory	Status
EU	REACH Reg.	substance is listed

Legend

REACH Reg. REACH registered substances

15.2 Chemical Safety Assessment

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SECTION 16: Other information

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
1.1	Identification of the substance: Calcium dihydroxide	Identification of the substance: Calciumdihydroxid Ca(OH) ₂	yes
1.1	Unique formula identifier (UFI): UFI: substance; not relevant	Unique formula identifier (UFI): substance; not relevant / delivery note	yes
1.3	e-mail (competent person): office@baumit.com		yes
2.3		Endocrine disrupting properties: Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$.	yes
3.1	Name of substance: Calcium dihydroxide	Name of substance: Kalkhydrat	yes
3.1		Purity: 100 %	yes
13.1		- Waste codes/waste designations according to LoW: 10 13 04: Wastes from calcination and hydration of lime	yes
16		Abbreviations and acronyms: change in the listing (table)	yes

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
2017/164/EU	Commission Directive establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

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Abbr.	Descriptions of used abbreviations
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
GKV	Grenzwerteverordnung
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
IOELV	Indicative occupational exposure limit value
LoW	List of Wastes
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
STEL	Short-term exposure limit
SVHC	Substance of Very High Concern
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

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List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

End of safety data sheet.