

Safety Data Sheet

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



baumit.com

RATIO GLATT

Version number: GHS 1.0
Replaces version of:

Date of compilation:
02.02.2022

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

1.1 Product identifier

Trade name	RATIO GLATT
Registration number (REACH)	not relevant (mixture)
Unique formula identifier (UFI)	1E6K-S39N-G00N-7JG7 as indicated on the label / delivery note

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

Relevant identified uses	Mortar 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

e-mail (competent person) 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
3.3	serious eye damage/eye irritation	1	Eye Dam. 1	H318

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



- **Hazard statements:**

H318 Causes serious eye damage.

- **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/eye protection/face protection.
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.

- **Hazardous ingredients for labelling:**

Portland cement clinker (a), Calciumdihydroxid
Ca(OH)₂

2.3 Other hazards

Of no significance.

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SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture).

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
Portland cement clinker (a)	CAS No 65997-15-1 EC No 266-043-4	1 - <3	Skin Irrit. 2 / H315 Eye Dam. 1 / H318 Skin Sens. 1 / H317 STOT SE 3 / H335	
Calciumdihydroxid Ca(OH) ₂	CAS No 1305-62-0 EC No 215-137-3 REACH Reg. No 01-2119475151-45- xxxx 01-2119862018-38- xxxx	1 - <3	Skin Irrit. 2 / H315 Eye Dam. 1 / H318 STOT SE 3 / H335	

(a) Portland Cement Clinker is exempt from registration under Article 2.7 (b) and Annex V.10 of Regulation (EC) No 1907/2006 (REACH). C&L notification No. 02-2119682167-31-0000 (Notification update of July 1, 2013 - Submission of Report No. QJ420702-40). For full text of abbreviations: see SECTION 16

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

Provide fresh air.

- Following skin contact

Rinse skin with water/shower.

In all cases of doubt, or when symptoms persist, seek medical advice.

- 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.

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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.

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.

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6.4 Reference to other sections

See also to sections 8 and 13 of the safety data sheet. Section 7.

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
AT	portland cement	65997-15-1	MAK		5					i, dust	GKV
AT	calcium sulfate	7778-18-9	MAK		5		10 (60 min)			r	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
dust	as dust
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)

Relevant DNELs of components of the mixture

Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Calciumdihydroxid Ca(OH) ₂	1305-62-0	DNEL	1 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
Calciumdihydroxid Ca(OH) ₂	1305-62-0	DNEL	4 mg/m ³	human, inhalatory	worker (industry)	acute - local effects

Relevant PNECs of components of the mixture

Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
Calciumdihydroxid Ca(OH) ₂	1305-62-0	PNEC	0,49 mg/l	aquatic organisms	freshwater	short-term (single instance)
Calciumdihydroxid Ca(OH) ₂	1305-62-0	PNEC	0,32 mg/l	aquatic organisms	marine water	short-term (single instance)
Calciumdihydroxid Ca(OH) ₂	1305-62-0	PNEC	3 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Calciumdihydroxid Ca(OH) ₂	1305-62-0	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.



Sicherheitsschuhe tragen.



Wear respiratory protection

If the exposure limit values are exceeded (e.g. during open handling of powdery product), a suitable respiratory protection mask must be used (e.g. according to EN 149). As a rule, particle-filtering half masks of type FFP1 or FFP2 are to be used (see table).

- 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 (powder)
Colour	grey
Odour	odourless
Melting point/freezing point	not determined
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
Decomposition temperature	not relevant
pH (value)	12 – 13 (in aqueous solution: 80 % (w/w), 20 °C) (base)
Kinematic viscosity	not relevant
Solubility(ies)	not determined

Partition coefficient

Partition coefficient n-octanol/water (log value)	this information is not available
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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

Solvent content	0 %
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.

Hints to prevent fire or explosion

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

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

Test data are not available for the complete mixture.

- Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

- 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 or if inhaled.

- Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

- 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

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

- 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

None of the ingredients are 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:

17 08 02: Gypsum-based construction materials other than those mentioned in 17 08 01

- Schlüsselnummer nach nationaler Abfallverzeichnisverordnung (ÖNORM S2100):

31607: Schlamm aus der Fertigmörtelherstellung (verfestigt)

31438: Plaster

- 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 subject to transport regulations |
| 14.2 UN proper shipping name | not relevant |
| 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

Dangerous substances with restrictions (REACH, Annex XVII)		
Name of substance	Name acc. to inventory	Restriction
Portland cement clinker (a)	chromium(VI) compounds	R47

Legend

R47

1. Cement and cement-containing mixtures shall not be placed on the market, or used, if they contain, when hydrated, more than 2 mg/kg (0,0002 %) soluble chromium VI of the total dry weight of the cement.
2. If reducing agents are used, then without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of cement or cement-containing mixtures is visibly, legibly and indelibly marked with information on the packing date, as well as on the storage conditions and the storage period appropriate to maintaining the activity of the reducing agent and to keeping the content of soluble chromium VI below the limit indicated in paragraph 1.
3. By way of derogation, paragraphs 1 and 2 shall not apply to the placing on the market for, and use in, controlled closed and totally automated processes in which cement and cement-containing mixtures are handled solely by machines and in which there is no possibility of contact with the skin.
4. The standard adopted by the European Committee for Standardization (CEN) for testing the water-soluble chromium (VI) content of cement and cement-containing mixtures shall be used as the test method for demonstrating conformity with paragraph 1.
5. Leather articles coming into contact with the skin shall not be placed on the market where they contain chromium VI in concentrations equal to or greater than 3 mg/kg (0,0003 % by weight) of the total dry weight of the leather.
6. Articles containing leather parts coming into contact with the skin shall not be placed on the market where any of those leather parts contains chromium VI in concentrations equal to or greater than 3 mg/kg (0,0003 % by weight) of the total dry weight of that leather part.
7. Paragraphs 5 and 6 shall not apply to the placing on the market of second-hand articles which were in end-use in the Union before 1 May 2015.

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

None of the ingredients are listed.

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

None of the ingredients are listed.

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

None of the ingredients are listed.

Water Framework Directive (WFD)

List of pollutants (WFD)			
Name of substance	CAS No	Listed in	Remarks
Calciumdihydroxid Ca(OH) ₂		A)	

Legend

A) Indicative list of the main pollutants

- Regulation on the marketing and use of explosives precursors

Not relevant.

- Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

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- **National regulations (Austria)**
- **Ordinance on combustible liquids (VbF)**

Not applicable.

- **National inventories**

Country	Inventory	Status
EU	REACH Reg.	not all ingredients are listed

Legend

REACH Reg. REACH registered substances

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

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SECTION 16: Other information

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
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
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
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)
Skin Corr.	Corrosive to skin

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Abbr.	Descriptions of used abbreviations
Skin Irrit.	Irritant to skin
Skin Sens.	Skin sensitisation
STEL	Short-term exposure limit
STOT SE	Specific target organ toxicity - single exposure
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).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

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

Code	Text
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
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.