

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

Print date: 17.10.2023

Revision date: 17.10.2023

Version: 8

1 Identification of the mixture and of the Company:

1.1 Produkt identifier:

Trade name: MultiGips MP AquaProtect

UFI: UF00-Q08K-D00H-4RNP

1.2 Relevant identified uses of the mixture and uses advised against:

1.2.1 Relevant identified applications:

Construction materials, construction materials additives

1.2.2 Uses advised against:

No further information available.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

VG-ORTH GmbH & Co. KG

Holeburgweg 24

D-37627 Stadtoldendorf

Phone: +49 5532 505-0

Fax: +49 5532 505-550

E-mail: info@multigips.de

Competent person responsible for the safety data sheet:

sdb-info@vg-orth.de

1.4 Emergency telephone number

Germany: Giftnotruf Charité Berlin: +49 30/30686 700

2 Hazards Identification

2.1 Classification of the mixture

Classification according to Regulation (EC) No 1272 (CLP):

Eye Dam. 1 H318

2.2 Label elements

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

Hazard pictogram(s)



GHS 05

Signal word: Danger

Substances in the mixture that contribute to the classification for labeling:

Calcium hydroxide

Hazard statement

H 318 Causes serious eye damage.

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Precautionary statement(s)

- P102: Keep out of reach of children.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P313: 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.
P501: Dispose of contents/container according to national legislation.

2.3 Other hazards

The product develops an alkaline pH with water and can then have an irritating effect.

Results of PBT- and vPvB assessment


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

3 Composition/ Information on ingredients

3.1 Chemical characterization: Mixture.

Description: Mixture of calcium dihydroxide and components (mineral light aggregate, tenside, cellulose ether)

Hazardous ingredients:

Calcium dihydroxide CAS No.: 1305-62-0 EINECS No.:215-137-3 Reg.-No: 01-2119475151-45 - xxxx	STOT single exposure 3, route of exposure: inhalation Eye Dam. 1 Skin Irrit. 2  H315, H318, H335	> 1 % - ≤ 2 % and pH > 11,5
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Further components:

Calcium sulfate

CAS-No.: 7778-18-9
EINECS-No.: 231-900-3
Reg.-No.: 01-2119444918-26 - xxxx
Content: > 55 %

4 First aid measures

4.1 Description of first aid measures

General notes

No adverse effects are expected during normal use of the substance, however if any effects do appear the following recommendations apply.

Following inhalation

Provide fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

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Following skin contact

Wash with plenty of water and soap. Clean contaminated clothing and shoes before use. If necessary seek medical advice.

Following eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses if possible.

Following ingestion

Rinse mouth immediately and drink plenty of water. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Risk of serious eye damage.

No known other specific symptoms or effects to date.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: None.

5.2 Special hazards arising from the substance or mixture

None.

5.3 Advice for firefighters

Product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

Other information:

Product hardens in contact with water.

The product itself does not burn.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Use personal protective equipment.

Avoid dust formation.

Product forms slippery surface when combined with water.

6.2 Environmental precautions

Do not allow to enter sewers / surface or ground water.

6.3 Methods and materials for retention and cleaning

6.3.1 Prevention of spread

All containers suitable for solids can be used.

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6.3.2 Purification process

Pick up mechanically, dry and place in suitable containers for disposal.
Avoid dust formation.

6.3.3 More information

None.

6.4 Reference to other sections

Information to safe handling see chapter 7.
Information to personal protective equipment see chapter 8.
Information to disposal considerations see chapter 13.

7 Handling and storage

7.1 Precautions for safe handling

7.1.1 Recommendations for protective measures

No special provisions if the product is used appropriately.

Avoid:

Dust dispersion
Inhalation of dust/particles
Contact with eyes and skin

Measures to prevent fire

Product itself does not burn. No special fire protection measures are necessary.

7.1.2 Advice on general occupational hygiene:

Do not to eat, drink and smoke in work areas.
Wash hands after use.
Preventive skin protection with skin protection ointment.
Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities

Packaging materials:	For safekeeping leave in original packaging.
Technical measures and storage conditions:	Protect from moisture.
Conditions for storage rooms and vessels:	No special requirements.
Storage class according to VCI:	13

7.3 Specific end use(s)

The specific end-use as indoor construction material is covered by the exposure scenarios of the ingredient's calcium sulfate and calcium hydroxide, both.

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8 Exposure controls and personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace

For the powdered mixture

Remark A = alveolar fraction, E = inhalable fraction

CAS No.: 7778-18-9 Calcium sulfate (50 - 100 %)

AGW 6 mg/m³ A, DFG

CAS No.: 1305-62-0 Calcium hydroxide (1 - 10 %)

PNEC water: 490 µg/l

PNEC soil/groundwater: 1080 mg/l

WEL Long-term value: 5 mg/m³

8.2 Exposure controls

General protective and hygienic measures

According to section 7.

Persönliche Schutzausrüstung:

Respiratory

protection: Use dust mask FFP2 or insert filter P2 if dust is generated.

Hand protection: By long-term hand contact wear protective gloves.

Material of gloves: NBR (Nitrile rubber)

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

Eye/face

protection: In case of product splashes use protective glasses.

Body protection: Protective work clothing.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

General data

Form:	Powder
Colour:	gray till green
Odour:	odorless
Odour threshold:	Not determined.
pH-value:	In aqueous suspension: approx. 10 - 11
Relative Density:	2,3 - 3,0 g/cm ³
Water solubility:	approx. 2 g/l at 20°C
Melting point/range:	Not applicable.
Initial boiling point/range:	Not applicable.
Flash point:	Not applicable.
Flammability (solid, gas):	Not applicable.
Vapor pressure:	Not applicable.
Vapor density:	Not applicable.
Evaporation rate:	Not applicable.

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Viscosity:	Not determined.
Explosive properties:	None.
Oxidizing Properties:	Non-oxidizing.
Autoflammability:	Not applicable.
Partition coefficient n-octanol/water:	Product is inorganic.

9.2 Other information

Thermal decomposition of gypsum:
CaSO₄ x 1/2 H₂O and H₂O ca. 140°C
CaO and SO₃ ca. 1000°C

10. Stability and reactivity

10.1 Reactivity

The product is not reactive under normal conditions of use, storage and transport.

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

There is no additional information.

10.5 Incompatible materials

No incompatible materials known.

10.6 Hazardous decomposition products

There is no additional information.

11. Toxicological Information

11.1 Information on toxicological effects

Data based on the mixture

Toxicity endpoints	Result of the assessment of impact
Acute toxicity	Based on available data, the classification criteria are not met. The mixture is not acutely toxic after evaluation of the data for calcium sulfate and calcium hydroxide.
Skin corrosion/irritation	Based on available data, the classification criteria are not met. As a result of a study of a mixture of calcium sulfate with calcium hydroxide, no corrosive/irritant effect on the skin is observed. Note: Frequent or prolonged contact, possibly aggravated by mechanical action, could cause skin irritation.
Serious eye damage/irritation	As a result of studies (in vivo, rabbit), contained calcium hydroxide may cause serious eye damage (H318 - Causes serious eye damage). (Calculated based on concentrations in the mixture.)

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Respiratory sensitization/skin	Based on available data, the classification criteria are not met. The mixture is not skin sensitizing / respiratory sensitizing based on evaluation of data for calcium sulfate and calcium hydroxide.
Germ cell mutagenicity	Based on available data, the classification criteria are not met. Based on evaluation of the data for calcium sulfate and calcium hydroxide, the mixture is not mutagenic.
Carcinogenicity	Based on available data, the classification criteria are not met. The mixture is not carcinogenic based on evaluation of the data for calcium sulfate and calcium hydroxide.
Reproductive toxicity	Based on available data, the classification criteria are not met. The mixture is not reproductive after evaluation of the data for calcium sulfate and calcium hydroxide.
Specific target organ toxicity in case of single exposure	Based on available data, the classification criteria are not met. (Calculation based on the concentrations in the mixture.)
Specific target organ toxicity in	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties

Not listed.

12 Ecological information

12.1 Toxicity

Aquatic toxicity

Data are not available.

12.2 Persistence and degradability

No photo-chemical elimination.

12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

12.4 Mobility in soil

Water-soluble solid.

Do not allow product to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

This mixture does not contain any components that exhibit endocrine disrupting properties in amounts of 0.1% or more.

12.7 Other adverse effects

Data are not available.

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13 Disposal considerations

13.1 Waste treatment methods

Recommendation Consult the appropriate local waste disposal expert about waste disposal.

EAK/AVV waste code:

17 08 02 Building material made of gypsum, with the exception of those falling under 17 08 01

17 09 04 Mixed construction and demolition waste with the exception of those falling under 17 09 01,

17 09 02 and 17 09 03

Packaging:

Non-contaminated, completely emptied packages may be recycled.

P501: Dispose of contents/container according to national legislation.

14 Transport information

No dangerous good in the sense of these transport regulations.

14.1 UN number:

None.

14.2 UN proper shipping name:

Not applicable.

14.3 Transport hazard class:

Not applicable.

14.4 Packing group:

Not applicable.

14.5 Environmental hazards:

None.

14.6 Special precautions for user:

None.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

Not applicable.

15 Regulatory information

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

Guideline 2012/18/EU

Does not contain a REACH candidate substance

Does not contain a substance listed in REACH Annex XIV

National legislation:

Reference to AWSV:

Germany Water hazard class (WGK): slightly hazardous to water (WGK 1)

Major Accidents Ordinance - 12th BImSchV:

Not subject to the 12th BImSchV (Federal Immission Control Ordinance).

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15.2 Chemical Safety Assessment:

The chemical safety assessments on the substance calcium sulfate and calcium hydroxide have been considered for this data sheet.

16 Other Information

Indication of changes

Replaces version 7.

Relevant R-phrases and/or H-statements (number and full text)

H315: Causes skin irritation.

H318: Causes serious eye damage.

H335: May cause respiratory irritation.

Relevant S-phrases and/or P-statements (number and full text)

P280: Wear protective gloves/protective clothing/eye protection/face protection

P305+351+338: 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 or doctor/physician.

P102: Keep out of reach of children

P501: Dispose of contents/container according to national legislation.

Important literature references and data sources

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

Abbreviations and acronyms

AGW	Occupational exposure limit
	A: alveolar fraction, E: inhalable fraction
AVV:	Waste Catalogue Ordinance
AwSV:	Ordinance on installations for handling substances hazardous to water
BImSchV	Federal Immission Control Ordinance
CaO:	Calcium oxide
CAS:	Chemical Abstracts Service, CAS number for chemical compounds as unique key
CLP:	CLP Regulation on the classification, labelling and packaging of chemicals
DNEL:	Derived No-Effect Level (calculated value for human toxicity)
EU	European Union
EINECS:	European Inventory of Existing Commercial Chemical Substances
GefStoffV	Hazardous Substances Ordinance
GHS:	Globally harmonized system for the classification and labeling of chemicals
HZVA:	(manufacture, preparation, distribution and use) from the European Waste List
IBC-Code:	International Code for the construction and equipment of ships carrying hazardous chemicals in bulk (IBC = Intermediate Bulk Container)
LC:	Lethal concentration
LD:	Lethal dose
MARPOL:	International Convention for the Prevention of Pollution from Ships
NOAEL:	(No Observed Adverse Effect Level) toxicological endpoint.
PBT:	Persistent, bioaccumulative and toxic substances.

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vPvB:	Very persistent and very bioaccumulative substances.
PNEC:	(Predicted No-Effect concentration) Calculated value for ecotoxicity.
REACH	EU Chemicals Regulation on Registration, Evaluation, Authorization and Restriction of Chemicals
Reg.-No.	REACH registration number
SO ₃ , SO ₄	Sulfite ion, sulfate ion
STOT:	Specific target organ toxicity
Skin Irrit.	Skin irritant
Eye dam.	Serious eye damage
TRGS:	Technical rule for hazardous substances
UFI:	Unique formulation identifier
UN-No.:	Four-digit numbers defined by the United Nations (UN) for all dangerous substances and goods
VCI:	Association of the Chemical Industry (Verband der Chemischen Industrie e.V.)
WGK	Water hazard class (German law)

Information and instructions provided in this SDS are based on the current state of scientific and technical knowledge at the date of issue indicated. It should not be construed as any guarantee of technical performance, suitability for particular applications, and does not establish a legally valid contractual relationship.

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