

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006, Article 31

Print date: 08.03.2023

Revision date: 22.08.2022

Version 7

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## 1. Identification of the substance or preparation

### 1.1 Product identifier:

MultiGips AquaProtect

**UFI: UF00-Q08K-D00H-4RN**

### P1.2 Use of the substance/preparation:

#### 1.2.1. Relevant identified uses

**Use of the substance:** Construction materials, Construction materials additives

#### 1.2.2. Uses advised against

No additional information available

### 1.3 Company identification:

VG-ORTH GmbH & Co. KG

Holeburgweg 24

D-37627 Stadtoldendorf

Telephone: +49 5532 505-0    Telefax: +49 5532 505-550

E-Mail: [info@multigips.de](mailto:info@multigips.de)

E-mail address of competent person responsible for the SDS:

[sdb-info@vg-orth.de](mailto:sdb-info@vg-orth.de)

E-Mail: [info@multigips.de](mailto:info@multigips.de)

### 1.4 Emergency telephone:

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

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## 2. Hazards Identification

### 2.1 Classification of the mixture

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

Category: eye damage 1

H 318 Causes serious eye damage

### 2.2 Label elements

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



GHS05

**Hazard pictogram(s)**

**Signal word** Danger

**Substances in the mixture that contribute to the classification for labeling:** Calcium hydroxide

**Hazard statement:** H 318 Causes serious eye damage

**Precautionary statement(s)**

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P280:	Wear protective gloves/protective clothing/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.
P313:	Get medical advice/attention.
P102:	Keep out of reach of children.
P501:	Dispose of contents/container according to national legislation. Remark: P501 is not applicable for silos to be re-used.

## 2.3 Other hazards

### Results of PBT- and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.


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## 3. Composition/ Information on ingredients

### 3.1 Chemical characterization:

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

#### Hazardous ingredients:

<b>Calciumdihydroxid</b> CAS Nr.: 1305-62-0 EINECS Nr.:215-137-3 Reg.-Nr: 01-2119475151-45 - xxxx	Eye Dam. 1, H315 Skin Irrit. 2, H318; H335 	$\geq 1\%$ - $< 2\%$ und $\text{pH} \geq 11,5$
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#### Further components

##### Calcium sulphate

<b>CAS:</b>	7778-18-9
<b>EINECS:</b>	231-900-3
<b>Reg.-Nr.:</b>	01-2119444918-26 - xxxx
<b>Value:</b>	> 55 %

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## 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.

#### After inhalation

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

#### After contact with the skin

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

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## **After contact with the eyes**

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.

## **After 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 damage to eyes.

No known other specific symptoms or effects to date.

### **4.3 Indication of any immediate medical attention and special treatment**

No further relevant information available.

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## **5. Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

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

#### **Extinguishing media which must not be used for safety reasons**

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 setting in contact with water.

The product itself does not burn.

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## **6. Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation.

Avoid dust formation.

Use personal protective equipment.

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.

#### **6.3.2 Purification process**

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

#### **6.3.3 More information**

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## 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.

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## 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

Avoid 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.

Remove contaminated clothing and protective equipment before entering eating areas.

### 7.2 Conditions for safe storage, including any incompatibilities

**Technical measures and storage conditions:** For safekeeping leave in original packaging.

**Conditions for storage rooms and vessels:** No special requirements.

### 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**

**CAS-Nr.: 7778-18-9 Calciumsulfat (50 – 100 %)**

AGW 6 mg/m<sup>3</sup> A, DFG

**CAS-Nr.: 1305-62-0 calcium hydroxide (1 – 10 %)**

PNEC water: 490 µg/l

PNEC soil/groundwater: 1080 mg/l

WEL Long-term value: 5 mg/m<sup>3</sup>

Remark A = alveolar fraction, E = inhalable fraction

### 8.2 Exposure controls

**General protective and hygienic measures**

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Avoid contact with the eyes and skin.

Do not inhale dust/ smoke.

Preventive skin protection by skin ointment.

Wash hands after use.

## Personal protective equipment

### Respiratory protection:

Required when dusts are generated Filter FFP2

### Hand protection:

By long-term hand contact wear protective gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

**Material of gloves:** Cotton gloves impregnated with nitrile.

### Penetration time of glove material:

The exact breakthrough time is only available from glove producers.

**Eye protection:** In case of product splashes use protective glasses.

**Body protection:** Protective work clothing

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## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Form:	powder
Colour:	white, white-grey
Odour:	odourless
Odour threshold:	not applicable
pH-value	Solubility in water: 10 – 11
Melting point / freezing point:	not applicable.
Initial boiling point and boiling range:	not applicable.
Flash point:	not applicable.
Evaporation rate:	not applicable.
Flammability (solid, gas):	not flammable.
Vapour pressure:	not applicable.
Vapour density:	not applicable.
relative density	2,3 - 3,0 g/cm <sup>3</sup>
Water solubility	ca. 2 g/l at 20°C

### 9.2 More information

Thermal decomposition of gypsum:

CaSO<sub>4</sub> x 1/2 H<sub>2</sub>O and H<sub>2</sub>O ca. 140°C

CaO and SO<sub>3</sub> ca. 1000°C

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## 10. Stability and reactivity

### 10.1 Reactivity

No materials known.

### 10.2 Chemical stability

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The mixture 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** No further relevant information available

10.5 **Incompatible materials** No incompatible materials known.

10.6 **Hazardous decomposition products** No hazardous decomposition products known.

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## 11. Toxicological Information

### 11.1 Information on toxicological effects

Data based on the mixture

Toxicity endpoints	Results
<b>Acute toxicity</b>	Available data do not lead to a classification of the mixture. The mixture is not acute toxic according to the evaluation of data for calcium sulfate and calcium hydroxide.
<b>Skin corrosion/irritation</b>	Available data do not lead to a classification of the mixture. The result of a study on the mixture of calcium sulfate and calcium hydroxide does not result in acute skin corrosion/irritation. Remark: Frequent or prolonged exposure, eventually strengthened by mechanically effects, could lead to skin irritation.
<b>Eye damage/irritation</b>	As a result of studies (in vivo, rabbit) calcium hydroxide causes serious eye damage (H318 – Causes serious eye damage). (Calculation based on the concentrations of the ingredients.)
<b>Respiratory or skin sensitisation</b>	Available data do not lead to a classification of the mixture. The mixture is not a skin / respiratory sensitizer according to the data on calcium sulfate and calcium hydroxide.
<b>Germ cell mutagenicity</b>	Available data do not lead to a classification of the mixture. The mixture is not mutagenic according to the data on calcium sulfate and calcium hydroxide.
<b>Carcinogenicity</b>	Available data do not lead to a classification of the mixture. The mixture does not pose any risk of carcinogenicity according to the data on calcium sulfate and calcium hydroxide.
<b>Reproductive toxicity</b>	Available data do not lead to a classification of the mixture. The mixture does not show any signs of reproductive toxicity according to the data on calcium sulfate and calcium hydroxide.
<b>STOT-single exposure</b>	Available data do not lead to a classification of the mixture. (Calculation based on the concentrations of the ingredients.)
<b>STOT-repeated exposure</b>	Available data do not lead to a classification of the mixture.
<b>Aspiration hazard</b>	Available data do not lead to a classification of the mixture.

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## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Aquatic toxicity

No relevant information 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

No additional information available

### 12.7 Other adverse effects

Additional information: Avoid release to the environment.

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## 13. DISPOSAL CONSIDERATIONS

### 13.1 Product:

#### 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

### 13.2 Packaging:

Non-contaminated, completely emptied packages may be recycled.

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

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## 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.

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14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.

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## 15. Regulatory information

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

Guideline 2012/18/EU

#### National legislation:

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

#### Chemical Safety Assessment:

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

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## 16. Other Information

### Indication of changes

Adaptation of the format/contents to Regulation (EU) 2020/878, replaces version 6 of 12.03.2021

### Abbreviations and acronyms

GHS/CLP: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

### 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.

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## Further information

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.