

Safety Data Sheet

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

Print date: 15.01.2014

Revision date: 19.09.2012

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

1.1 Identification of the substance or preparation:

MultiGips Gypsum blocks

1.2 Use of the substance/preparation: construction product

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

1.4 EMERGENCY TELEPHONE: Giftnotruf Berlin +49 (0)30- 19240

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance

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

The substance is not classified as hazardous according to CLP Regulation.

Classification according to Directive 67/548/EEC:

Not applicable

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]: Void

Hazard pictograms: Void

Signal word: Void

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable special remarkable hazards.

Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Chemical characterization:

Calcium sulphate $\text{CaSO}_4 \times n \text{H}_2\text{O}$ (n= 2)

CAS-No.: 7778-18-9 EC-No.: 231-900-3

Registration No: 01-2119444918-26-0121

Dangerous components: Not applicable

4. FIRST AID MEASURES

4.1 General informations:

No special measures required.

4.2 After inhalation:

Provide fresh air, consult doctor in case of complaints.

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4.3 After contact with the skin:

Wash off with water

4.4 After contact with the eyes:

Rinse opened eye for several minutes under running water. Then consult a doctor.

4.5 After swallowing:

Rinse out mouth and then drink plenty of water. If symptoms persist consult doctor.

4.6 Notes for the doctor:

Skin – friendly neutral salt. No allergic reactions known. Soluble dust.

5. FIRE-FIGHTING MEASURES:

5.1 Suitable extinguishing media:

All extinguishing agents are suited.
Use fire extinguishing methods suitable

5.2 Unsuitable extinguishing media:

None.

5.3 Special hazards arising from the substance

None.

5.4 Special protective equipment for fire-fighters:

None.

5.5 Additional information

The product is not flammable.
Product corroborates upon contact with water.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions:

Avoid formation of dust.
Product forms slippery surface when combined with water.

6.2 Environmental precautions:

No special measures required.

6.3 Methods of cleaning:

Pick up (dry) mechanically.

6.4 Reference to other sections

No dangerous substances are released.

7. HANDLING AND STORAGE

7.1 Handling

Precautions for safe handling:

Prevent formation of dust

Information about fire – and explosion protection:

No special measures required.

7.2 Storage

Technical measures and storage conditions:

For safekeeping leave in original packaging.

Further information about storage conditions:

Store in cool, dry conditions in well-sealed receptacles

Advice for storage of incompatible materials:

None

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION EQUIPMENT

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

Not required.

Remark: A= alveolar fraction, E = inhalable fraction

General protection and hygiene measures:

Do not eat, drink or smoke when handling. Wash hands at the end of work and before eating.

Personal protection equipment

Respiratory protection: Required when dusts are generated Filter P1 or FFP1

Hand protection: Not necessary.

Eye protection: Not necessary.

Body protection: Not necessary. Suitable protective clothing

Exposure to the environment limited and controlled:

Not necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

General information

Form: solis

Colour: white, white-grey, white-yellow, red, green

Odour: odourless

Important information about the protection of health, safety and the environment

pH-value Solubility in water: ca. 7

density ca. 0,85 – ca. 1,50 g/cm³

Water solubility ca. 2 g/l bei 20°C

Other information:

Product not comustible.

Thermal decomposition $\text{CaSO}_4 \times 1/2 \text{H}_2\text{O}$ and H_2O ca. 140°C (ca. 413 K)

Thermal decomposition CaO and SO_3 ca. 1000°C (ca. 1273 K).

10. STABILITY AND REACTIVITY

10.1 Conditions to avoid:

Not hazardous reaction.

10.2 Materials to avoid:

None known.

10.3 Hazardous decomposition products:

No dangerous decomposition

11. TOXICOLOGICAL INFORMATION

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11.1 Information on toxicological effects

Relevant hazard class	Effect dose	Species	Method	Remark
Acute oral toxicity	LD50 > 1581 mg/kg bw	Rat.	OECD 420	
Acute dermal toxicity	n/a			No dermal toxicity envisaged due to low potential for absorption
Acute inhalative toxicity	LC50 > 2.61 mg/L	Rat	OECD 403	Maximum attainable dose
Skin corrosion/irritation	n/a	Rabbit	OECD 404	Not irritating
Serious eye damage/irritation	n/a	Rabbit	OECD 405	Not irritating
Respiratory or skin sensitization	n/a	Guinea pig	OECD 406	Not a skin sensitizer
Germ cell mutagenicity	n/a	In vitro tests	OECD 471 OECD 476	Not mutagenic
		Mouse	OECD 474	Not mutagenic
Carcinogenicity	n/a			No risk of carcinogenicity posed by calcium sulphate
Reproductive toxicity	NOAEL 790 mg/kg bw	Rat	OECD 422	No signs of reproductive toxicity observed
STOT single exposure	n/a			No organ toxicity observed in acute tests
STOT repeated exposure	n/a			It is considered to classify based on RCS content . STOT RE 2 (If calcium sulfate contains crystalline silica in respirable form >1 % - < 10 %.)
Aspiration hazard	n/a			No aspiration hazard envisaged

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity	Effect dose	Exposure time	Species	Method	Evaluation	Remark
Acute fish toxicity	LC50 >79mg/L	96 h	Japanese rice fish	OECD 203	Harmless to fish up to the tested concentration.	LIMIT-test
Acute daphnia toxicity	EC50 >79 mg/L	48 h	Daphnia magna	OECD 202	Harmless to daphnia up to the tested concentration.	LIMIT-test
Acute algae toxicity	E50 > 79 mg/L	72 h	Selenastrum capricornutum	OECD 201	Harmless to algae up to the concentration tested.	LIMIT-test
Toxicity to STP microorganisms	EC 50 >790 mg/L	3 h	Activated sludge	OECD 209	Harmless to STP microorganisms	

After neutralisation, toxicity is no longer observed.

12.2 Mobility:

Water soluble solid.

12.3 Persistenc and degradability:

Non-applicable, inorganic substance.

12.4 Bio-accumulation potential:

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Non-applicable, inorganic substance.

12.5 Longterm-Ecotoxicity:

No longterm toxicity in sea water (Plonor List) and fresh water (natural component).

12.6 Results of PRT assessment:

No PBT characteristics.

13. DISPOSAL CONSIDERATIONS

13.1 Product:

EAK/AVV waste code:

17 08 02 Building material made of gypsum Construction and demolition wastes

13.2 Packaging:

Sackware or other packaging are to be emptied optimally and can be forwarded for reutilisation following appropriate cleaning.

13.3 Additional information

Product: so far as no subsequent contamination occurs, the product can continue to be used further without limitation.

No longer usable products:

Utilisation: Waste which requires no monitoring is to be utilised.

Disposal on landfills Classes 1 and 2 in accordance with the (German) Waste Storage Ordinance.

14. TRANSPORT INFORMATION

Not classified as dangerous in terms of transport regulations

15. REGULATORY INFORMATION

15.1 EU regulations:

Not liable to marking.

15.1.1 Chemical safety assessment:

Currently not available.

15.1.2 Marking

Not liable to marking.

16. OTHER INFORMATION

16.2 Relevant R- and H-phrases (number and full text): None.

16.4 Additional information:

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

This version supersedes all previous versions.