

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



Revision date: 10.01.2017

Version: E1

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

1.1 Product identifier:

Substance name: Dolomite
EC No: 2404402
CAS No.: 16389-88-1
REACH No: Not applicable

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

Use of substance - the substance is intended for the following non-exhaustive list of uses: chemical industry, animal food, building material, agriculture.

There are no uses advised against. Regardless, the responsibility for the assessment of the feasibility in its use remains with the user.

1.3 Details of the supplier of the safety data sheet:

Name TKDZ Wellen
Address Josef-Schnuch-Str. 26
D-54441 Wellen
Telephone / Telefax 0049 6584 7935 / 0049 6584 7927
E-Mail erwin.roller@porr.at

1.4 Emergency telephone number:

European emergency N°: 112
Emergency telephone at the company 0049 6584 790

SECTION 2: Hazards identification

2.1. Classification of the substance according to Regulation (EC) No 1272/2008 [CLP/GHS]:

The product is not classified.

2.2 Label elements

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

None

2.3 Other hazards

No other hazards identified. When handling dolomite mineral dust may arise. The regulations for handling of mineral dust are valid (i.g. BGI 5047 "Mineralischer Staub"). The substance does not meet the criteria for PBT or vPvB substance.

SECTION 3: Composition/information on ingredients

3.1 Substances

Substance name: Calcium magnesium carbonate (dolomite)

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SECTION 4: First aid measures

4.1 Description of first aid measures

General advice:	No known delayed effects. No special actions required.
Following inhalation:	Not applicable
Following skin contact:	Not applicable
Following eye contact:	Rinse eyes immediately with plenty of water
Following ingestion:	Not applicable

4.2 Most important symptoms and effects, both acute and delayed

Dolomite is not acutely toxic via the oral, dermal, or inhalation route.

4.3 Indication of any immediate medical attention and special treatment needed

Follow the advises given in section 4.1

SECTION 5: Firefighting measures

5.1 Extinguishing media:

The product is not combustible.

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

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for fire-fighters

Avoid generation of dust. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid generation of dust. Avoid inhalation of dust – ensure that sufficient ventilation or suitable respiratory protective equipment is used, In case of exceeding the limit values according to TRGS 900.

6.2 Environmental precautions:

Avoid unnecessary generation of dust.

6.3 Methods and material for containment and cleaning up

Avoid generation of dust. Do not sweep dry, pick up the product with water.

6.4 Reference to other sections

For more information on exposure, please check section 8 and 13 of this safety data sheet.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep dust levels to a minimum. Minimize dust generation. Enclose dust sources, use exhaust ventilation at workplace.

Advice on general occupational hygiene

Minimize dust generation, use exhaust ventilation at workplace.

7.2 Conditions for safe storage, including any incompatibilities

Avoid generation of dust. The substance should be stored under dry and clean conditions. Keep away from acids.

7.3 Specific end uses

Not applicable

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National OELs for the substance: not available

General dust limit: Germany: 3 mg/m³ (A), 10 mg/m³ (E)

8.2 Exposure controls

Use exhaust ventilation. Wear suitable protective equipment in the case of transgression of dust limits

Appropriate engineering controls:

Not applicable

Personal protective equipment:

Eye / Face protection:

For general protection do wear protective goggles.

Skin protection:

Before breaks and end of work wash hands. If necessary, use barrier cream. Gloves must be worn if necessary.

Respiratory protection:

Do avoid breathing of dust. A suitable particle filter mask (P1 – P3) is recommended, depending on the expected exposure levels.

Thermal hazards

Not applicable

Environmental exposure controls:

All ventilation systems should be filtered before discharge to atmosphere. Avoid releasing to the environment. Contain the spillage.

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SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	creme to yellowish
Odour:	slightly earthy smell
pH:	7-9
Melting point:	> 550 °C (decomposition in MgO, CaCO ₃ und CaO ₂)
Boiling point:	Not applicable
Flash point:	Not applicable
Evaporation rate:	Not applicable
Flammability:	Non flammable
Explosive limits:	Non explosive
Relative density:	2.750-2.900 g / cm ³ at 20 ° C
Solubility (s):	32 mg / l at 20 ° C
Partition coefficient:	Not applicable
Oxidising properties:	Not applicable
Auto ignition temperature:	Not flammable
Decomposition temperature:	Not applicable
Vapour pressure:	Not applicable

9.2 Other information:

Not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

Slightly Soluble

10.2 Chemical stability

Under normal conditions of use and storage, dolomite is stable.

10.3 Possibility of hazardous reactions

Calcium magnesium carbonate reacts exothermically with acids. When heated above 550 °C, calcium magnesium carbonate decomposes to produce calcium magnesium oxide and carbon dioxide. Calcium oxide reacts with water and generates heat. This may cause risk to flammable material.

10.4 Conditions to avoid

Not applicable

10.5 Incompatible materials

Dolomite reacts exothermically with acids to form salts and carbon dioxide.

10.6 Hazardous decomposition products

None

SECTION 11: Toxicological information

11.1 Information on toxicological effects

In the case of long-term exposure in a high dust load a chronic airway inflammation can be caused. Dust may mechanically irritate the eyes.

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SECTION 12: Ecological information

12.1 Toxicity

No toxic effect known

12.2 Persistence and degradability

Not relevant for inorganic substances

12.3 Bioaccumulative potential

Not relevant for inorganic substances

12.4 Mobility in soil

Dolomite is sparingly soluble and presents a low mobility in most soils

12.5 Results of PBT and vPvB assessment

Not relevant for inorganic substances

12.6 Other adverse effects

No other adverse effects are identified

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal of dolomite and containers / packagings should be in accordance with local and national legislation.

Waste No. EWC 010408

SECTION 14: Transport information

14.1 UN-Number

No identification

14.2 UN proper shipping name

No identification

14.3 Transport hazard class(es)

No identification

14.4 Packing group

No identification

14.5 Environmental hazards

There are known none negative environmental effects of dolomite. Dolomite is a natural product.

14.6 Special precautions for user

Avoid any release of dust during transportation, by using air-tight tanks for powders and covered trucks for pebbles.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

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SECTION 15: Regulatory information

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

There are none Restrictions on use.

Dolomite is no hazardous substance, not a SEVESO 96/82/EG substance, not an ozone depleting substance and not a persistent organic pollutant.

Water hazard class: no water hazard

Additionally: Principles of occupational medicine, national regulations, information of professional association etc.

15.2 Chemical safety assessment

Not applicable

SECTION 16: Other information

Data are based on our latest knowledge but do not constitute a guarantee for any specific product features and do not establish a legally valid contractual relationship. Employees have to be trained on installation and handling of bulk solid and dusty materials.

Disclaimer

This safety data sheet (SDS) is based on the legal provisions of the REACH Regulation (EC 1907/2006; article 31 and Annex II), as amended. Its contents are intended as a guide to the appropriate precautionary handling of the material. It is the responsibility of recipients of this SDS to ensure that the information contained therein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. 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. This version of the SDS supersedes all previous versions.

End of safety data sheet