

Created on: 06.07.2017

Edited on: 05.07.2018

Valid from: 01.03.2018

Version: March 2018

Previous version:

Page 1 of 7

Section 1: Identification of substance and of the company

1.1 Product identifier:

Substance name: DMT Dolomite < 32 µm
Synonym: -
EG-No: 2404402
CAS-No: 16389-88-1
REACH-No: -

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

Relevant identified uses: Test dust for different filter testing and environment simulation
Uses advised against: -

1.3 Details of the supplier of the safety data sheet:

Supplier: DMT GmbH & Co. KG
Address: Am Technologiepark 1
Nationality/Postcode/City: D-45307 Essen
Information Contact: testdust@dmt-group.com
Telephone / Fax / E-Mail: +49 201 172 1232 / +49 201 172 1262 / testdust@dmt-group.com

1.4 Emergency telephone number:

Germany: (0)-112

Section 2: Hazard identification

2.1 Classification of the substance or mixture:

-

2.2 Label elements:

Labelling according to Regulation (EG) No 1272/2008

Hazard statements: -

Precautionary statements:

P 402 Store in a dry place.

P 260 Do not breathe dust.

P 501 Dispose of contents and containers referring to local disposal regulations.

2.3 Supplemental hazard information:

-

Created on: 06.07.2017

Edited on: 05.07.2018

Valid from: 01.03.2018

Version: March 2018

Previous version:

Page 2 of 7

Section 3: Composition / Information of ingredients

3.1 Substance:

Substance name: Crystalline calcium magnesium carbonate $\text{CaCO}_3 \cdot \text{MgCO}_3$

EG-No.: 240-440-2

CAS-No.: 16389-88-1

Section 4: First aid measures

4.1 Description of first aid measures:

General information:	No special measures required.
Following inhalation:	Remove dust source and provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.
Following skin contact:	Wash with water and soap.
Following eye contact:	Rinse cautiously with water for several minutes. Contact lenses have to be removed.
Following ingestion:	Rinse out the mouth with water.
Self-protection of the first aider:	-

4.2 Most important symptoms and effects, both acute and delayed:

DMT Dolomite < 32 µm does not operate toxic if ingested, inhaled or after skin contact.

4.3 Indication of any immediate medical attention and special treatment needed:

Notes for doctor: Watch section 4.1

Special treatment: -

Section 5: firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media: DMT Dolomite < 32 µm is not combustible.

Unsuitable extinguishing media: -

5.2 Special hazards arising from the substance or mixture:

Hazard combusting products: -

5.3 Advice for fire-fighters:

Avoid dust whirling.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel: Watch section 8.

For emergency personnel: Watch section 8.

Created on: 06.07.2017

Edited on: 05.07.2018

Valid from: 01.03.2018

Version: March 2018

Previous version:

Page 3 of 7

6.2 Environment precautions:

Avoid dust generation; do not remove the dust in canalization, surface or ground water.

6.3 Methods and material for containment and cleaning up:

For containment: Use impermeable containers.

For cleaning up: Swipe dry or wet. Do not sweep dry.

Other information: Avoid dust whirling.

6.4 Reference to other sections:

For further protective measures, watch section 8.

Section 7: Handling and Storage

7.1 Precautions for safe handling:

Protective measures:

Advice on safe handling: Watch section 8.

Fire preventions: -

Aerosol and dust generation prevention: Avoid dust generation and deposit. Areas containing possible dust generation need to provide artificial ventilation.

Environment precautions: -

Advice on general occupational hygiene:

-

7.2 Conditions for safe storage conditions:

Technical measures and storage conditions:

Packaging materials: Use airtight containers.

Requirements for storage rooms and vessels:

Store in a dry place.

Hints on storage assembly:

Storage class: -

Material to avoid: -

Further information on storage conditions:

-

7.3 Specific end uses:

Recommendations: -

Specific end uses: -

Created on: 06.07.2017

Edited on: 05.07.2018

Valid from: 01.03.2018

Version: March 2018

Previous version:

Page 4 of 7

Section 8: Exposure controls / personal protection

8.1 Control parameters:

Occupational exposure limits: Common dust exposure limit (valid in Germany) 1.25 mg/m³ (A; alveolar), 10 mg/m³ (E, inhalable).
Biological limit values: -

8.2 Exposure controls:

Appropriate engineering controls: Provide ventilation, avoid dust whirling.
Personal protective equipment:
Eye / Face protection: Wear safety goggles with side protection.
Skin protection: Safety gloves are recommended. Wash hands before and after every work session, use skin protection cream.
Respirable protection: Wear filtering face piece (FFP2 – FFP3).
Body protection: Wear workwear with long sleeves and pant legs.
Environment exposure controls: Filtering of exhaust air is recommended. Wipe up slopped product.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:
Physical state: Solid
Color: White/beige
Odour: Odorless
Odour threshold: -
pH: 9,5 – 10,5 (DIN ISO 787, section 9)
Melting point / freezing point: > 450 °C
Initial boiling point / boiling range: -
Flash point: -
Evaporation rate: -
Flammability (solid, gas) -
Upper / lower explosive limits: -
Vapour pressure: -
Vapour density: -
Relative density: 2,85 g/cm³
Solubility: 1,8 mg/l
Partition coefficient:
n-octanol / water -
Auto-ignition-temperature: -
Decomposing temperature: > 600 °C (generation of CO₂)
Viscosity: -
Explosive properties: -
Oxidizing properties: -

Created on: 06.07.2017

Edited on: 05.07.2018

Valid from: 01.03.2018

Version: March 2018

Previous version:

Page 5 of 7

Section 10: Stability and reactivity

10.1 Reactivity:

No dangerous reactions, nor dangerous products of decomposing known.

10.2 Chemical stability:

Under regular use and storage is DMT Dolomite < 32 µm stable.

10.3 Possibility of hazardous reactions:

Calcium magnesium carbonate reacts exothermic with acids.

10.4 Conditions to avoid:

-

10.5 Incompatible materials:

DMT Dolomite < 32 µm reacts exothermic with acids.

10.6 Hazard decomposition products:

-

Section 11: Toxicological information

11.1 Information of toxicological information:

Acute toxicity: During longer exposition with high dust loads symptoms of a chronical respiratory inflammation can be observed. Dust may harm eyes mechanically.

Section 12: Ecological information

12.1 Toxicity:

No toxic impact known.

12.2 Persistence and degradability:

Not applicable for inorganic substances.

12.3 Bio accumulative potential:

Not applicable for inorganic substances.

12.4 Mobility on soil:

Due to low water solubility, substance shows minor mobility on common soils.

12.5 Results of PBT and vPVB assessment:

Not applicable for inorganic substances.

Created on: 06.07.2017

Edited on: 05.07.2018

Valid from: 01.03.2018

Version: March 2018

Previous version:

Page 6 of 7

12.6 Other adverse effects:

Not applicable.

Section 13: Disposal considerations

13.1 Waste treatment methods:

The disposal of DMT Dolomite < 32 µm and contaminated containers has to be proceeded according to local disposal regulations. Consult local disposal provider for exact directives.

Section 14: Transport information

DMT DMT Dolomite < 32 µm is not a HAZMAT in terms of transport restrictions.

14.1 UN. No:

No labeling.

14.2 UN proper shipping name:

No labeling.

14.3 Transport hazard class(es):

Hazard label: No labeling.

14.4 Packing group:

No labeling.

14.5 Environment hazard:

No labeling.

14.6 Special precautions for user:

During transportation use impermeable containers to avoid dust whirling.

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

Not applicable.

Section 15: Regulatory information

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

DMT Dolomite < 32 µm is not a hazardous material, not a material according to European directive 96/82/EG ("SEVESO"), does not harm ozone layer and is not a hardly degradable pollutant. Additionally, observe any national regulations.

Safety Data Sheet
According to Regulation (EG) No 1907/2006



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Valid from: 01.03.2018

Version: March 2018

Previous version:

Page 7 of 7

Section 16: Other information

The entire safety data sheet is based on actual knowledge and experience. A juridical mandatory warranty of single properties cannot be provided. Employees must be instructed to handling bulk materials and dusting materials.
