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### **Section 1: Identification of substance and of the company**

#### **1.1 Product identifier:**

Substance name: DMT A2 fine quartz-free  
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 according to the particle size distribution of Arizona Test Dust A2 fine (ISO 12103-1)  
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@dm-tgroup.com  
Telephone / Fax / E-Mail: +49 201 172 1232 / +49 201 172 1262 / testdust@dm-tgroup.com

#### **1.4 Emergency telephone number:**

Germany: (0)-112

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### **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:**

-

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### **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

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### **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 A2 fine quartz-free 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: -

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### **Section 5: firefighting measures**

#### **5.1 Extinguishing media:**

Suitable extinguishing media: DMT A2 fine quartz-free 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.

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### **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.

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**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.

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**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: -

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### **Section 8: Exposure controls / personal protection**

#### **8.1 Control parameters:**

Occupational exposure limits: Common dust exposure limit (valid in Germany) 1.25 mg/m<sup>3</sup> (A; alveolar), 10 mg/m<sup>3</sup> (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.

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### **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/cm<sup>3</sup>  
Solubility: 1,8 mg/l  
Partition coefficient:  
n-octanol / water -  
Auto-ignition-temperature: -  
Decomposing temperature: > 600 °C (generation of CO<sub>2</sub>)  
Viscosity: -  
Explosive properties: -  
Oxidizing properties: -

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### **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 A2 fine quartz-free stable.

#### **10.3 Possibility of hazardous reactions:**

Calcium magnesium carbonate reacts exothermic with acids.

#### **10.4 Conditions to avoid:**

-

#### **10.5 Incompatible materials:**

DMT A2 fine quartz-free reacts exothermic with acids.

#### **10.6 Hazard decomposition products:**

-

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### **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.

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### **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.

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**12.6 Other adverse effects:**

Not applicable.

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**Section 13: Disposal considerations**

**13.1 Waste treatment methods:**

The disposal of DMT A2 fine quartz-free and contaminated containers has to be proceeded according to local disposal regulations. Consult local disposal provider for exact directives.

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**Section 14: Transport information**

DMT DMT A2 fine quartz-free 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.

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**Section 15: Regulatory information**

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

DMT A2 fine quartz-free 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.

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



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**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.

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