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Section 1: Identification of substance and of the company

1.1 Product identifier:

Substance name: DMT Red China Clay
Synonym: -
EG-No: 238-878-4
CAS-No: 14808-60-7
REACH-No: -
Other names: -

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

Relevant identified uses: Test dust acc. to DEF Stan 00-35 / MIL-STD-810G
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:

The fraction of respirable quartz is lower 1%. Thus, no classification is necessary.

2.2 Label elements:

Labelling according to Regulation (EG) No 1272/2008



GHS 08

Signal word: Danger!

Hazard statements:

H373

May cause damage to organs through prolonged or repeated exposure.

Precautionary statements:

P260

Do not breathe dust.

P284

In case of inadequate ventilation, wear respiratory protection.

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P501

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

2.3 Supplemental hazard information:

-

Section 3: Composition / Information of ingredients

3.2 Mixtures:

Substance name: Silicon dioxide

EG-No: 262-373-8

CAS-No: 60676-86-0

Content: 77 %

Substance name: Aluminium oxide

EG-No: 215-691-6

CAS-No: 1344-28-1

Content: 16 %

Substance name: Calciummagnesiumcarbonat

EG-No: 240-440-2

CAS-No: 16389-88-1

Content: 7 %

Substance name: Iron(III) oxide

EG-No: 215-168-2

CAS-No: 1309-37-1

Content: 3 %

Section 4: First aid measures

4.1 Description of first aid measures:

General information: In persistent symptoms, contact the doctor.

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 soap and water.

Following ingestion: Rinse cautiously with water for several minutes. In all cases of doubt, or when symptoms persist, seek medical advice.

Self-protection of the first aider: Avoid dust whirling.

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

Symptoms: DMT Red China Clay can increase the risk of silicosis through prolonged or repeated exposure.

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

Notes for doctor: Please consider section 4.1

Section 5: firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Adapt measures to surroundings.

Unsuitable extinguishing media: -

5.2 Special hazards arising from the substance or mixture:

Hazard combusting products: No, DMT Red China Clay is not combustible.

5.3 Advice for fire-fighters:

Avoid further dust whirling.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Protective equipment: Please consider section 8.

Emergency procedures: Please consider section 8.

For emergency personnel:

Personal protective responders: Please consider section 8.

6.2 Environment precautions:

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

6.3 Methods and material for containment and cleaning up:

For containment: Avoid dust whirling.

For cleaning up: Use wet-cleaning methods.

Other information: -

6.4 Reference to other sections:

Please consider section 8.

Section 7: Handling and Storage

7.1 Precautions for safe handling:

Protective measures:

Advice on safe handling: Avoid dust generation and –deposit; provide artificial ventilation.

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Fire preventions: -
Aerosol and dust generation prevention: Avoid dust generation and –deposit; provide dry cleaning treatment.
Environment precautions: -

Advice on general occupational hygiene:

-

7.2 Conditions for safe storage conditions:

Technical measures and storage conditions:

Packaging materials: Store in a dry place.

Requirements for storage rooms and vessels:

Store dry and impermeable. Use original container. Keep away from foods and drinks.

Hints on storage assembly:

Storage class: -

Material to avoid: -

Further information on storage conditions:

Wash hands before breaks and after work. Do not eat, drink and smoke in work areas

7.3 Specific end uses:

Recommendations: -

Specific end uses: -

Section 8: Exposure controls / personal protection

8.1 Control parameters:

Occupational exposure limits: 1,25 mg/m³ (A; respirable), 10 mg/m³ (E; inhalable) (Germany)

Biological limit values: -

8.2 Exposure controls:

Eye / Face protection: Wear safety goggles with side protection.

Skin protection: Safety gloves are recommended. Wash hands with soap before and after work, use skin protection cream.

Respirable protection: Wear filtering face piece (FFP2 – FFP3).

Body protection: Wear overall.

Environment exposure controls: Prevent drifts by wind.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance: Powder

Physical state: Solid

Color: Red - brown

Odour : Odourless

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Odour threshold :	-
pH :	5 - 9
Melting point / freezing point :	-
Initial boiling point / boiling range :	-
Flash point :	-
Evaporation rate :	-
Flammability (solid, gas)	-
Upper / lower explosive limits :	-
Vapour pressure :	-
Vapour density :	-
Relative density :	-
Solubility:	Insoluble
Partition coefficient: n-octanol / water	-
Auto-ignition-temperature :	-
Decomposing temperature :	-
Viscosity :	-
Explosive properties :	-
Oxidizing properties :	-

9.2 Other information:

-

Section 10: Stability and reactivity

10.1 Reactivity:

No dangerous reactions or dangerous products of decomposing known.

10.2 Chemical stability:

Under regular use and storage is DMT Red China Clay stable.

10.3 Possibility of hazardous reactions:

No hazardous reactions.

10.4 Conditions to avoid:

-

10.5 Incompatible materials:

-

10.6 Hazard decomposition products:

None

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Section 11: Toxicological information

11.1 Information of toxicological information:

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 in common soils.

12.5 Results of PBT and vPVB assessment:

Not applicable for inorganic substances.

12.6 Other adverse effects:

-

Section 13: Disposal considerations

13.1 Waste treatment methods:

The disposal of DMT Red China Clay has to be proceeded according to local disposal directives.

Directive 2008/98/EC (Waste Framework directive): Consult local disposal provider for exact directives.

Section 14: Transport information

14.1 UN. No:

-

14.2 UN proper shipping name:

-

14.3 Transport hazard class(es):

Hazard label: -

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14.4 Packing group:

-

14.5 Environment hazard:

-

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:

-

Section 15: Regulatory information

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

EU regulations:

DMT Red China Clay 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.

Section 16: Other information

16.1 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.
