

Safety data sheet according to 1907/2006/EC, Article 316

Tradenname: dentobase Knetmasse

Product-No.:

Version: 04/2016



Side 1 from 7
valid from: 01.04.2016

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

1.1 Product identifier

Trade name:

dentobase Knetmasse

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

No further relevant information available.

Application of the substance / the preparation

Silikone modelling material for dental work

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

dentona AG
Otto-Hahn-Str. 27
D-44227 Dortmund
GERMANY
sdb@dentona.de

Further information obtainable from:

Department of product security.

1.4 Emergency telephone number: +49 231 5556-0

This number is serviced during office hours. Opening times: Monday to Thursday from 8 am – 5 pm, Friday from 8 am – 4 pm.

SECTION 2: Hazards identification

2.1 Classification

The product is not dangerous preparation as defined by Directive 1999/45/EC.

2.2 Additional hazard warnings for human health and the environment

No practical hazards are known

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable. The product is no substance

3.2 Chemical characterization:

Contains polydimethylsiloxan plus filler and pigments

3.3. Hazardous ingredients:

None

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SECTION 4: First aid measures

4.1 General Information

Seek medical advice in the event of an accident or if the patient feels unwell (show label of safety data sheet if possible).

4.2. After inhalation

Ensure access to fresh air

4.3. After skin contact

Remove product mechanically with a cloth or paper. Wash off with plenty of soap and water. If visible alterations to skin or other symptoms occur, seek medical advice (show label of safety data sheet if possible).

4.4. After eye contact

Keeping the eyelid open, rinse out eye immediately for 15 minutes with running water. Consult an ophthalmologist.

4.5. After ingestion

Rinse mouth out immediately and drink plenty of water in small sips afterwards. Do not induce vomiting. Seek medical advice if the patient feels unwell.

4.6 Safety advice for first aiders

Do not place yourself in danger (hand protection, "LifeKey" foil mask).

SECTION 5: Firefighting measures

5.1 Suitable extinguishing agents

Water mist, foam, carbon dioxide, dry chemical/powder extinguishers.

5.2 Extinguishing media not to be used for safety reasons

Water jet

5.3. Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

No special hazards

5.4. Special protective equipment for fire fighters

Use self-contained breathing apparatus

SECTION 6: Accidental release measures

6.1 Personal precautions

If material has been released, post slip hazard warning signs. Do not walk through spilled material.

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6.2 Environmental precautions:

Keep away from drains, surface water, groundwater and soil.

6.3 Methods for cleaning up:

Clean up by using mechanical methods or absorbent material (sand, diatomaceous earth, saxdust).

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

The usual precautionary measures are to be adhered to when handling chemicals.

Do not walk through spilled material. Do not eat, drink or smoke while using

Information about fire - and explosion protection:

Observe the usual safety precautions for handling chemicals..

7.2 Conditions for safe storage, including any incompatibilities Storage

Requirements to be met by storerooms and containers: Store in in tightly-sealed original containers in an cool, dry place away from food products. Keep storeroom well ventilated.

Interactions with other materials in storage:

No know material incompatibilities.

Other storage conditions:

Do not store above 25°C. Protect from moisture.

7.3 Special use(s)

Dental modelling material for use by qualified personnel

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Exposure limit values

No classified material with occupational limit values requiring monitoring.

8.2 Exposure controls

8.2.1 Occupational exposure controls

General protective and hygienic measures

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Observe general hygienic precautions when handling chemical substances. Do not eat or drink while working.

Personal protective equipment

Respiratory protection

Not required

Hand protection

Recommended, e.g. protective gloves made from nitril rubber.

Eye protection

Protective goggles recommended, to prevent mechanical injuries to the eye

Skin protection

Wear working clothes

8.2.2 Environmental exposure controls

Keep away from surface water, groundwater and soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: Paste

Colour: red-orange

Odour: waek, typical

pH-value: not applicable.

Change in condition

Flash point: $\geq 100^{\circ}\text{C}$ DIN 51755

Ignition point: $\geq 200^{\circ}\text{C}$ DIN 51794 .

Oxidising properties: n.a.

Explosive limits: n.a.

Vapour pressure: ≤ 1 hPa at 20°C

Density: = approx.. 1.67 g/cm^3 at 20°C DIN 51757

Solubility in water: = essentially insoluble

pH Value: n.a.

Partition coefficient n-octanol/water: n.a.

Viscosity: = approx.. 25 million mPa.s at 23° (Brookfield)

9.2 Other information

Thermal decomposition: $\geq 250^{\circ}\text{C}$

SECTION 10: Stability and reactivity

10.1 Conditions to avoid

Temperatures $> 150^{\circ}\text{C}$.(see 10.3)

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10.2 Materials to avoid

None known

10.3 Hazardous decomposition products:

In the presence of air and at temperatures above approx.. 150° C, small quantity of formaldehyde can be formed by oxidative degradation.

SECTION 11: Toxicological information

11.1 General Information

According to current knowledge is not a health risk when used for the intended purpose and when observing normal working hygiene. According to our current knowledge, neither mutagenic, oncogenic nor teratogenic.

11.2 Toxicological testing of acute toxicity

Acute oral toxicity

No toxicological data is available for this product. For products with a similar formulation, an LD50 dose (oral, rat) of over 5000 mg/kg has been obtained.

SECTION 12: Ecological information

12.1 Ecotoxicity

Behaviour in sewage treatment plants (bacterial toxicity: inhibition to respiration / reproduction):

According to current experience, no detrimental effects for sewage treatment plants

12.2. Mobility:

Forms a thin oil film on the surface of water. Is adsorbed by suspended particles. Is separated out by sedimentation.

12.3 Persistence and degradability Biodegradation / additional information

Not biodegradable. Polydimethylsiloxanes can be degraded by abiotic processes to a certain extent.

12.4 Bioaccumulative potential effects

Bioaccumulation is unlikely.

12.5 Other adverse effects:

None known

12.6 Other ecological information

No environmental problems are anticipated if used and handled properly

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SECTION 13: Disposal considerations

13.1 Disposal/waste (product)

Recommendation: Disposal in accordance with regulations by incineration in a plant for special waste. Always observe local regulatory requirements.

13.2 EWC/AVV waste code

07 02 17 (waste from MFSU of plastic, synthetic rubber and synthetic fibre, silicon-rich wastes other than those named in 07 02 16)

13.3 Solid packaging

Recommendation: Packaging is to be emptied fully (no liquid, powder or compound residues). Where possible, packaging should be reused or recycled, while complying with applicable local / national regulations.

SECTION 14: Transport information

14.1 UN-Number

ADR, ADN, IMDG, IATA: Void. Not a hazardous material

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA: Void. Not a hazardous material

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class Void. Not a hazardous material

14.4 Packing group

ADR, IMDG, IATA Void. Not a hazardous material

14.5 Environmental hazards:

Marine pollutant: No. Not a hazardous material

14.6 Special precautions for user Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

UN "Model Regulation": -

SECTION 15: Regulatory information

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

National regulations:

German water hazard class (WGK)

WGK 1 = minor water hazard (classification pursuant to the German Administrative Regulation Regarding Water Pollutants (VwVwS) Annex 4, dated 17 May 1999, current version)

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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SECTION 16: Other information

This information is based on the state of knowledge and experience pertaining on the date of issue. The information is not to be taken as a guarantee of product properties and do not constitute the basis for a contractual legal relationship. The details must not be changed or transferred to other products. Duplication in an unchanged state is permissible.

Department issuing MSDS: Department of product security.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

* **Data compared to the previous version altered.**

End of Safety data sheet