

Material Safety Data Sheet

Revision Date: 13.09.2005

(91/155/EWG)

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1. Chemical product and company identification

Product name:

O-Bite

Supplier:

DMG, Dental-Material Gesellschaft mbH
D 22531 Hamburg, telephone : (+49) 040 - 84 00 60

2. Composition / Information on ingredients

Common chemical name / Generic name:

Preparation of vinyltrimethylpolysiloxane, platinum complexes and silica.

3. Hazards Identification

None, if handled according to directions.
No labelling of hazardous ingredients required.

4. First-aid measures

In case of inhalation: Not applicable.
In case of skin contact: Wash with soap and water.
In case of eye contact : Immediately rinse with plenty of water, seek medical advice.
In case of ingestion: Consult a physician.

5. Fire-fighting measures

Extinguishing media: Powder, sand, foam, carbon dioxide, water spray.
Not suitable extinguishing media: Direct jet of water.

6. Accidental release measures

Personal precautions: Wear suitable protective clothing.
Environmental precautions: Avoid pollution of water and sewage.
Methods for cleaning up: Take up mechanically, with inert fluid-binding material.

7. Handling and storage

Handling:

Technical measures: Keep container tightly closed.
Safe handling advice: Wear suitable gloves. Avoid contact with eyes.

Storage:

Technical measures: No special precautions necessary.
Storage conditions: Keep container tightly closed.
Recommended packaging material: Container of glass or metal or solvent-stable plastics.

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8. Exposure controls/personal protection

Engineering measures: No special precautions necessary.

Personal protective equipment:

Respiratory protection: Non volatile vapours.

Hand and skin protection: Rubber gloves.

Eye protection: Goggles.

Hygiene measures: When using do not eat or drink.

9. Physical und chemical properties

Appearance: Pasty or viscous liquid in different colorations.

Odour: Weak or fruity

pH-value: Not applicable

Changes in physical state:

Boiling temperature: > 300 °C

Decomposition temperature: ca. 100 °C

Flashpoint: > 130 °C

Ignition temperature: > 400 °C

Explosion properties: not established

Vapour pressure: < 100 mbar

Rel. vapour density: > 1

Density: 1.2 - 1.7 g/cm³

Solubility in water: insoluble

10. Stability and reactivity

Thermal decomposition: None, if handled and stored according to directions.

At ca. 100 °C in presence of air evolution of small amounts of formaldehyd by oxidative degradation.

Hazardous reactions: In presence of water evolution of small amounts of hydrogen possible.

Conditions to avoid: Heat.

Hazardous decomposition products: Formaldehyd, hydrogen.

11. Toxicological information

Acute orale toxicity: LD₅₀ (rat) > 5000 mg/kg

Irritation of skin : Not irritating.

Irritation of eye: Not irritating (rabbit, 24 h). On prolonged exposure irritation possible.

12. Ecological information

Do not discharge into drains or the environment, dispose to an authorised waste collection point.

Persistence und degradability: No data available for the preparation. Partially degradable (components).

Ecotoxicity: Fish toxicity LC₅₀ > 200 mg/l / 96 h.

13. Disposal considerations

Waste from residues: Dispose to an authorised waste collection point. Use proper landfill disposal or incineration in accordance with local, state and federal regulations.

14. Transport information

Additional information: Not dangerous transport goods.

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15. Regulatory information

Labelling according to international regulations: No labelling.

16. Other information

None.

The data given here is based on current knowledge and experience. The data does not signify any warranty with regard to the product's properties.