



**Safety Data Sheet**  
**acc. to OSHA HCS**

Printing date 11/22/2022

Reviewed on 11/22/2022

### 1 Identification

- **Product identifier**
  - **Trade name: Memosil 2 Cat**
  - -
  - **Application of the substance / the mixture** Dental impression material
- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:**  
Kulzer GmbH  
Leipziger Straße 2, 63450 Hanau (Germany) Tel.: +49 (0)800 4372522
  - **Information department:**  
Tel. +1 (800) 431-1785 Fax: +1 (800) 522-1545  
e-mail: [customer.servicehna@kulzer-dental.com](mailto:customer.servicehna@kulzer-dental.com)
  - **Emergency telephone number:**  
Emergency CONTACT (24-Hour-Number)  
ID 105860: (domestic) 1 800 535 5053 or international (001) 352 323 3500

### 2 Hazard(s) identification

- **Classification of the substance or mixture**  
The product is not classified, according to the Globally Harmonized System (GHS).
- **Label elements**
  - **GHS label elements** Void
  - **Hazard pictograms** Void
  - **Signal word** Void
  - **Hazard statements** Void
  - **Precautionary statements**  
Avoid release to the environment.
- **Classification system**
  - **NFPA ratings for USA (scale 0-4)**



Health = 0  
Fire = 1  
Reactivity = 0

- **HMIS-Ratings (Scale 0-4)**



Health = 0  
Fire = 1  
Reactivity = 0

- **Results of PBT and vPvB assessment**

· **PBT:**

540-97-6 | Dodecamethylcyclohexasiloxane

· **vPvB:**

540-97-6 | Dodecamethylcyclohexasiloxane

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
  - **Description:** -

(Contd. on page 2)

US



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(Contd. of page 1)

**Dangerous components:**

556-67-2	octamethylcyclotetrasiloxane	Flammable Liquids 3, H226 Toxic to Reproduction 2, H361 PBT; vPvB	≥0.1-≤5%
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**Additional information** For the wording of the listed hazard phrases refer to section 16.

**4 First-aid measures**

**Description of first aid measures**

- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** If skin irritation continues, consult a doctor.
- **After eye contact**  
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing**  
Rinse out mouth and then drink plenty of water.  
If symptoms persist consult doctor.
- **Information for doctor**
  - **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
  - **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

**5 Fire-fighting measures**

- **Extinguishing media**
  - **Suitable extinguishing agents**  
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
  - **Protective equipment:** No special measures required.
- **Additional information** -

**6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures**  
Avoid contact with eyes and skin.
- **Environmental precautions:** Prevent seepage into sewage system, workpits and cellars.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid binding material (diatomite, universal binders, for small amounts tissues).
- **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.

**Protective Action Criteria for Chemicals**

<b>PAC-1:</b>		
556-67-2	octamethylcyclotetrasiloxane	30 ppm
67-63-0	propan-2-ol	400 ppm
540-97-6	Dodecamethylcyclohexasiloxane	150 mg/m <sup>3</sup>

(Contd. on page 3)



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(Contd. of page 2)

· <b>PAC-2:</b>		
556-67-2	octamethylcyclotetrasiloxane	68 ppm
67-63-0	propan-2-ol	2000* ppm
540-97-6	Dodecamethylcyclohexasiloxane	1,700 mg/m <sup>3</sup>
· <b>PAC-3:</b>		
556-67-2	octamethylcyclotetrasiloxane	130 ppm
67-63-0	propan-2-ol	12000** ppm
540-97-6	Dodecamethylcyclohexasiloxane	9,900 mg/m <sup>3</sup>

## 7 Handling and storage

- **Handling**
  - **Precautions for safe handling**  
Store in cool, dry place in tightly closed receptacles.  
No special precautions are necessary if used correctly.
  - **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
  - **Storage**
    - **Requirements to be met by storerooms and receptacles:** No special requirements.
    - **Information about storage in one common storage facility:** Not required.
    - **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

**556-67-2 octamethylcyclotetrasiloxane**

WEEL	Long-term value: 10* ppm
	*OARS WEEL

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**

- **Personal protective equipment**

- **General protective and hygienic measures**

- Wash hands before breaks and at the end of work.

- **Breathing equipment:** Not necessary if room is well-ventilated.

- **Protection of hands:**

- Check protective gloves prior to each use for their proper condition.  
recommended

- **Material of gloves**

- The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

- The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 4)



**Safety Data Sheet**  
**acc. to OSHA HCS**

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**Trade name: Memosil 2 Cat**

(Contd. of page 3)

- **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**
  - Butyl rubber, BR
  - Nitrile rubber, NBR
- **Eye protection:** Safety glasses
- **Body protection:** Light weight protective clothing

**9 Physical and chemical properties**

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

- **Form:** Pasty
- **Color:** Colorless
- **Odor:** Odorless
- **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

- **Melting point/Melting range:** undetermined
- **Boiling point/Boiling range:** undetermined

· **Flash point:** >130 °C (>266 °F)

· **Flammability (solid, gaseous)** Not applicable.

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.  
Not determined.

· **Explosion limits:**

- **Lower:** Not determined.
- **Upper:** Not determined.

· **Vapor pressure:** Not determined.

· **Density at 20 °C (68 °F):** 1.1 g/cm<sup>3</sup> (9.1795 lbs/gal)

- **Relative density** Not determined.
- **Vapor density** Not determined.
- **Evaporation rate** Not determined.

· **Solubility in / Miscibility with**

· **Water:** Not miscible or difficult to mix

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

- **dynamic:** Not determined.
- **kinematic:** Not determined.

· **Other information** No further relevant information available.

**10 Stability and reactivity**

- **Reactivity** No further relevant information available.
- **Possibility of hazardous reactions** No dangerous reactions known

(Contd. on page 5)



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**Trade name: Memosil 2 Cat**

(Contd. of page 4)

- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** none
- **Additional information:** -

**11 Toxicological information**

· **Information on toxicological effects**

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

**556-67-2 octamethylcyclotetrasiloxane**

Oral	LD50	1,700 mg/kg (mouse) 4,800 mg/kg (rat)
Dermal	LD50	>2,400 mg/kg (rat)
Inhalative	LC50/4 h	36 mg/l (rat)

· **Primary irritant effect:**

· **on the skin:** Based on available data, the classification criteria are not met.

· **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **Reproductive toxicity** Based on available data, the classification criteria are not met.

**12 Ecological information**

· **Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability**

**556-67-2 octamethylcyclotetrasiloxane**

biodegradability 3.7 % (not defined)

· **Behavior in environmental systems:**

· **Bioaccumulative potential**

**556-67-2 octamethylcyclotetrasiloxane**

Biokonzentrationsfaktor (BCF) 12.4 (fish)

· **Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:**

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

· **Results of PBT and vPvB assessment**

· **PBT:**

540-97-6 Dodecamethylcyclohexasiloxane

(Contd. on page 6)



**Safety Data Sheet**  
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(Contd. of page 5)

· **vPvB:**

540-97-6 | Dodecamethylcyclohexasiloxane

· **Other adverse effects** No further relevant information available.

**13 Disposal considerations**

· **Waste treatment methods**

· **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to official regulations.

· **Uncleaned packagings:**

· **Recommendation:**

Disposal must be made according to official regulations.

Non contaminated packagings can be used for recycling.

**14 Transport information**

· **UN-Number**

· DOT, ADR, IMDG, IATA

Void

· **UN proper shipping name**

· DOT, ADR, IMDG, IATA

Void

· **Transport hazard class(es)**

· DOT, ADR, ADN, IMDG, IATA

· Class

Void

· **Packing group**

· DOT, ADR, IMDG, IATA

Void

· **Environmental hazards:**

Not applicable.

· **Special precautions for user**

Not applicable.

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

· **Transport/Additional information:**

-

· **UN "Model Regulation":**

Void

**15 Regulatory information**

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No further relevant information available.

· **Sara**

· **SARA Section 355 (extremely hazardous substances)**

None of the ingredients is listed.

· **SARA Section 313 (specific toxic chemical listings)**

67-63-0 | propan-2-ol

(Contd. on page 7)



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**Trade name: Memosil 2 Cat**

(Contd. of page 6)

· **Hazardous Air Pollutants**

None of the ingredients is listed.

· **Proposition 65**

· **Prop 65 - Chemicals known to cause cancer**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenicity categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

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

**16 Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H226 Flammable liquid and vapor.

H361 Suspected of damaging fertility or the unborn child.

· **Date of preparation / last revision** 11/22/2022

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Flammable Liquids 3: Flammable liquids – Category 3

Toxic to Reproduction 2: Reproductive toxicity – Category 2

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