

**Safety data sheet (GB)**  
according to 1907/2006/EC, Article 31

Printing date 05.01.2017

Version number 4

Revision: 05.01.2017

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

- **Product identifier**
- **Trade name: Omnident Pastenhärter Labor**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Hardener for (dental) impression material
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Omnident Dental-Handelsgesellschaft mbH  
Gutenbergring 7 - 9  
D - 63110 Rodgau  
Phone: +49 (0) 6106 / 874 - 0  
Fax: +49 (0) 6106 / 874 - 265  
Homepage: [www.omnident.de](http://www.omnident.de)  
E-Mail: [info@omnident.de](mailto:info@omnident.de)
- **Further information obtainable from:** [info@omnident.de](mailto:info@omnident.de)
- **1.4 Emergency telephone number:** +49 (0) 6106 / 874 - 0 (Mo - Fri 8:00 am - 5:00 pm)

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS08 health hazard

STOT SE 2 H371 May cause damage to organs.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS07 GHS08

- **Signal word** Warning
- **Hazard-determining components of labelling:**  
Diethylzinnacetylacetonat (CAS 54068-28-9)
- **Hazard statements**  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H371 May cause damage to organs.
- **Precautionary statements**  
P101 If medical advice is needed, have product container or label at hand.

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- P102 Keep out of reach of children.  
 P103 Read label before use.  
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P280 Wear protective gloves.  
 P321 Specific treatment (see on this label).  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **2.3 Other hazards**
  - **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

	Silane (CAS 18765-38-3) ⚠ Skin Irrit. 2, H315	< 30%
	Diethylzinnacetylacetonat (CAS 54068-28-9) ⚠ STOT SE 2, H371; ⚠ Skin Sens. 1, H317	< 15%
	Diethylzinnidilaurat ⚠ STOT RE 2, H373; Aquatic Chronic 4, H413	< 10%
CAS: 78-10-4 EINECS: 201-083-8	tetraethyl silicate ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335	< 2%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation:**  
Supply fresh air and to be sure call for a doctor.  
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture**  
No further relevant information available.

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- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.
- **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** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 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.
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the skin.  
Avoid contact with the eyes and skin.
- **Respiratory protection:** Not required.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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**- 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.

**- Eye protection:** Goggles recommended during refilling

### SECTION 9: Physical and chemical properties

**- 9.1 Information on basic physical and chemical properties**
**- General Information**
**- Appearance:**

**Form:** Pasty

**Colour:** Red

**- Odour:** Characteristic

**- Odour threshold:** Not determined.

**- pH-value:** Not determined.

**- Change in condition**

**Melting point/freezing point:** Undetermined.

**Initial boiling point and boiling range:** Undetermined.

**- Flash point:** >70 °C

**- Flammability (solid, gas):** Not applicable.

**- Ignition temperature:** Not determined.

**- Decomposition temperature:** Not determined.

**- Auto-ignition temperature:** Product is not selfigniting.

**- Explosive properties:** Product does not present an explosion hazard.

**- Explosion limits:**

**Lower:** Not determined.

**Upper:** Not determined.

**- Vapour pressure at 20 °C:** 6.9 hPa

**- Density at 23 °C:** 1 g/cm<sup>3</sup>

**- Relative density** Not determined.

**- Vapour 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.

**- Solvent content:**

**Organic solvents:** 0.0 %

**VOC (EC)** 0.00 %

**Solids content:** 90.0 %

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**- 9.2 Other information**

No further relevant information available.

**SECTION 10: Stability and reactivity**

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

**SECTION 11: Toxicological information**

- **11.1 Information on toxicological effects**
  - **Acute toxicity** Based on available data, the classification criteria are not met.
- |  |      |                   |
|--|------|-------------------|
| <b>- LD/LC50 values relevant for classification:</b> |      |                   |
| <b>Diocetylzinnacetylacetonat (CAS 54068-28-9)</b>   |      |                   |
| Oral   | LD50 | >2500 mg/kg (rat) |
| Dermal   | LD50 | >2000 mg/kg (rat) |
- **Primary irritant effect:**
  - **Skin corrosion/irritation**  
Causes skin irritation.
  - **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
  - **Respiratory or skin sensitisation**  
May cause an allergic skin reaction.
  - **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
  - **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
  - **Carcinogenicity** Based on available data, the classification criteria are not met.
  - **Reproductive toxicity** Based on available data, the classification criteria are not met.
  - **STOT-single exposure**  
May cause damage to organs.
  - **STOT-repeated exposure** Based on available data, the classification criteria are not met.
  - **Aspiration hazard** Based on available data, the classification criteria are not met.

**SECTION 12: Ecological information**

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

#### - 13.1 Waste treatment methods

##### - Recommendation

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

##### - Uncleaned packaging:

- Recommendation: Disposal must be made according to official regulations.

### SECTION 14: Transport information

#### - 14.1 UN-Number

- ADR, ADN, IMDG, IATA Void

#### - 14.2 UN proper shipping name

- ADR, ADN, IMDG, IATA Void

#### - 14.3 Transport hazard class(es)

- ADR, ADN, IMDG, IATA

- Class Void

#### - 14.4 Packing group

- ADR, IMDG, IATA Void

#### - 14.5 Environmental hazards:

- Marine pollutant: No

#### - 14.6 Special precautions for user

Not applicable.

#### - 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

#### - UN "Model Regulation":

Void

### SECTION 15: Regulatory information

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

##### - Directive 2012/18/EU

- Named dangerous substances - ANNEX I None of the ingredients is listed.

- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

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

### SECTION 16: Other information

This information is based on our present knowledge. However, this 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 vapour.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

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*H371 May cause damage to organs.*

*H373 May cause damage to organs through prolonged or repeated exposure.*

*H413 May cause long lasting harmful effects to aquatic life.*

- **Department issuing SDS:** Product safety department

- **Contact:** info@omnident.de

- **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 Harmonised System of Classification and Labelling of Chemicals*

*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)*

*VOC: Volatile Organic Compounds (USA, EU)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*Flam. Liq. 3: Flammable liquids – Category 3*

*Acute Tox. 4: Acute toxicity – Category 4*

*Skin Irrit. 2: Skin corrosion/irritation – Category 2*

*Eye Irrit. 2: Serious eye damage/eye irritation – Category 2*

*Skin Sens. 1: Skin sensitisation – Category 1*

*STOT SE 2: Specific target organ toxicity (single exposure) – Category 2*

*STOT SE 3: Specific target organ toxicity (single exposure) – Category 3*

*STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2*

*Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4*

- **Sources**

*The data for the hazardous ingredients were taken respectively from the last version of Safety Data Sheets of suppliers.*

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

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