

Safety Data Sheet

according to regulation (EU) No. 1907/2006

Printing date: 06/08/2017

picodent pastenhärter

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1. Identification of the substance/preparation and of the company/undertaking *

1.1 Information on the product

Trade name: picodent pastenhärter

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

No further relevant information available

Use of the substance/mixture

Hardener for (dental) impression material

1.3 Details about the supplier of the safety data sheet

Manufacturer/Supplier:

Company name: picodent GmbH
Street: Lüdenscheider Str. 24-26
City: D-51688 Wipperfürth
Telephone: +49 2267 6580-0
E-Mail: picodent@picodent.de
Internet: www.picodent.de
Department for information: picodent GmbH
Fax-No. +49 2267 6580-31
Telephone-No. +49 2267 6580-0

1.4 Emergency contact number:

(07.30 am - 4.45 pm)

Telephone-No. +49 2267 6580-0
Telephone-No. +49 171 6126850

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
Skin Sens. 1

H315 Causes skin irritation.
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

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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.
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.

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

Additional information:

For the wording of the listed hazard phrases refer to section 16.

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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.

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing agents:

CO₂, 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.

5.3. Advice for firefighters

Protective equipment:

No special measures required.

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.

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7. Handling and storage *

7.1. Precautions for safe handling
Information about fire - and explosion protection:

No special precautions are necessary if used correctly.

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.

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.
Not required.

Respiratory protection:

Protection of hands:



Protective gloves

Material of 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
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.

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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.
Goggles recommended during refilling

Eye protection:

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/cm³

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 %

9.2. Other information

No further relevant information available.

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.

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10.5. Incompatible materials: No further relevant information available.

10.6. Hazardous decomposition products: No dangerous decomposition products known.

11. Toxicological information *

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification: Diethylzinnacetylacetonat (CAS 54068-28-9)

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.

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.

12.6. Other adverse effects

No further relevant information available.

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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.

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

UN „Model Regulation“:

Not applicable.

Void

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

REGULATION (EC) No 1907/2006 ANNEX XVII

None of the ingredients is listed.

Conditions of restriction: 3

15.2. Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

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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.
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.

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.