

# Safety Data Sheet

according to regulation (EU) No. 1907/2006

Rev. 2015-01

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

### Information on the product

**Trade name:** picodent twinsil soft

### Company/undertaking identification:

picodent GmbH  
Lüdenscheider Str. 24-26  
D-51688 Wipperfürth

www.picodent.de  
Telephone-No. +49 2267 6580-0  
Fax-No. +49 2267 6580-30

### Responsible Department:

picodent GmbH  
Lüdenscheider Str. 24-26  
D-51688 Wipperfürth

www.picodent.de  
Telephone-No. +49 2267 6580-0  
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### Emergency telephone:

picodent GmbH, Wipperfürth

Telephone-No. +49 2267 6580-0

## 2. Hazards identification

### Adverse human health effects:

Slightly irritating to eyes

### Environmental effects:

Presents no particular risk to the environment, provided the disposal requirements (see section 13) and national or local regulations are complied with.

### Physical and chemical hazards:

Combustible liquid. Explosive vapour/air mixtures may be formed above 200°C.

### Classification/Specific hazards:

According to EEC criteria, this product is not classified as a „hazardous preparation“.

## 3. Composition/information on ingredients

### Chemical characterization (substance):

Polyorganosiloxanes with functional groups + auxiliaries for addition cross-linking

### Components contributing to the hazard:

EG-No.	CAS-No.	Substance	Concentration %	Attributes (EG)
238-878-4	14808-60-7	Quartz	from: – to: <5,0	symbols: Xn R- phrase 48/20

### R-phrases

R48/20

### Description

Harmful: Danger of serious damage to health by prolonged exposure through inhalation.

## 4. First aid measures

### General advice:

Inhalation is no primary way of exposition, the measure mentioned in 4,2 is a general advice.

### After inhalation:

Step outside and inhale fresh air.

### After contact with the skin:

Consult a doctor in case of sickness.

Wipe off with flannel or paper and rinse with soap and water additionally.

### After contact with the eyes:

Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.

### After swallowing:

Consult a doctor in case of sickness (show the product label if possible).

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## 5. Fire-fighting measures

<b>Suitable extinguishing media:</b>	Foam, powders, carbon dioxide (CO <sub>2</sub> ), foam, powders, water spray.
<b>Extinguishing media which must not be used for safety reasons:</b>	None to our knowledge. If there is a fire close by, use suitable extinguishing agents.
<b>Special hazards:</b>	Combustible liquid. When product is thermal decomposed or combusted: Toxic and flammable vapours are released (explosion hazard!).
<b>Special protective equipment for fire fighting:</b>	Wear a self-contained breathing apparatus and well-sealed protective clothing. Water for fire-fighting should be collected and disposed of.

## 6. Accidental release measures

<b>Personal precautions:</b>	safety glasses
<b>Environmental precautions:</b>	Observe local bye-laws
<b>Methods for cleaning up:</b>	Absorb mechanically and dispose of according to regulations. Absorb with a liquid binding material such as diatomaceous earth and dispose of according to regulations.

## 7. Handling and storage

<b>Handling:</b>	
<b>Precautions for safe handling:</b>	Ensure adequate ventilation.
<b>Precautions against fire and explosion:</b>	Product can separate hydrogen. In partly emptied containers liberation of explosive gases is possible.
<b>Storage:</b>	
<b>Conditions of storage rooms and vessels:</b>	-
<b>Advice of storage of incompatible materials:</b>	-
<b>Further information for storage:</b>	Protect against moisture. Store in original container only. Keep container tightly closed and store in a well-ventilated place.

## 8. Exposure controls/personal protection

<b>Further information for system design and engineering measures:</b>	Not applicable
<b>Limits (U.S.A./A.C.G.I.H.):</b>	TLV (TWA): 0,1 mg/m <sup>3</sup> (for platinum)
<b>Personal protection equipment:</b>	
<b>General protection and hygiene measures:</b>	No special hygiene measures required
<b>Respiratory protection:</b>	Not required.
<b>Hand protection:</b>	Not required.
<b>Eye protection:</b>	Goggles
<b>Skin protection:</b>	Not required.
<b>Hygiene measures:</b>	Do not drink, eat or smoke in the workplace.

## 9. Physical and chemical properties

<b>Form:</b>	liquid
<b>Colour:</b>	transparent or pigmented
<b>Odour:</b>	Odourless
<b>Decomposition temperature:</b>	> 200 °C
<b>Flash point:</b>	> 200 °C

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<b>Ignition temperature:</b>	> 400 °C
<b>Oxidizing properties:</b>	Non oxidizing material according to EEC criteria
<b>Vapour pressure:</b>	< 0.01 kPa at 20°C
<b>Specific gravity:</b>	1.05 g/cm <sup>3</sup> at 25°C
<b>Solubility:</b>	
- in water:	Practically insoluble
- in organic solvents:	Dispersible (partial solubilisation) in: diethyl ether, chlorinated solvents, aromatic hydrocarbons (toluene, xylene), aliphatic hydrocarbons
<b>Viscosity:</b>	approx. 5000 mPa

## 10. Stability and reactivity

<b>Stability:</b>	Stable at room temperature
<b>Hazardous reactions:</b>	
<b>Materials to avoid:</b>	strong oxidizing agents
<b>Hazardous decomposition products:</b>	On combustion or on thermal decomposition (pyrolysis) releases: flammable vapours which may generate fire or explosion hazards. Toxic gases (Carbon oxides (CO + CO <sub>2</sub> )).

## 11. Toxicological information

<b>Acute toxicity:</b>	
LD 50 skin (Rat):	> 2000mg/kg.
LD 50 oral (Rat):	> 2000mg/kg.
<b>Local effects:</b>	may cause temporary irritation to ocular mucous membranes.

## 12. Ecological information

<b>Ecological Information:</b>	
<b>Information on elimination: (persistence and degradability):</b>	
<b>Biodegradation / further information:</b>	Biologically not degradable. Polydimethyl siloxanes are degradable to a certain extent in biotic processes.
<b>Behaviour in environmental compartments:</b>	
<b>Further information:</b>	Bioaccumulation improbable
<b>Ecotoxicological effects:</b>	According to past experience toxicity to fish is improbable
<b>Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition):</b>	According to present experience, no adverse effects on water purification plants

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## 13. Disposal considerations

### Disposal Considerations:

#### Waste from residues:

Prohibition: Do not discharge waste into drains.  
Destruction/Disposal: Dilute with a flammable solvent and incinerate at a licensed installation. Dispose of at a licensed waste collection point. Un-vulcanized product: Vulcanized product: May be disposed of with non hazardous industrial waste.

#### Contaminated packaging:

Decontamination/cleaning: Allow it to drain thoroughly. Rinse with an appropriate solvent. Recover the solvent used for rinsing and incinerate at a licensed site. Entrust the thoroughly decontaminated packaging to a licensed waste-contractor. Dispose of at an approved site

#### Note:

The user's attention is drawn to the possible existence of local regulations regarding disposal.

## 14. Transport information

### Land transport GGVS/ADR and GGVE/RID:

#### Road GGVS/ADR:

Valuation - Non-hazardous material

#### Railway GGVE/RID:

Valuation - Non-hazardous material

Express – permitted

### Inland navigation GGVBinsch/ADNR

### Transport by sea GGVSee/IMDG-Code:

Valuation - Non-hazardous material

### Air transport ICAO-TI/IATA-DGR :

Valuation - Non-hazardous material

## 15. Regulatory information

### Labelling:

#### EEC regulations:

Mandatory labelling (self-classification) of hazardous preparations:  
Not applicable

## 16. Other information

The above information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. Properties of the product are to be found in the respective product leaflet.