

Safety Data Sheet

according to regulation (EU) No. 1907/2006

Rev. 2014-12

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

Information on the product

Trade name: picodent twinsil B

Company/undertaking identification:

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D-51688 Wipperfürth

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Responsible Department:

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picodent GmbH, Wipperfürth

Telephone-No. +49 2267 6580-0

2. Hazards identification

Classification of the substance or mixture:
Classification according to Directive 67/548/EEC or 1999/45/EC as amended:
Hazard summary:
Physical hazards:
Health hazards:
Inhalation:

The product has been classified according to the legislation in force.

Xn; R48/20

Combustible.

Eye contact:
Skin contact:
Ingestion:
Other Health Effects:
Environmental hazards:
Label elements:

Quartz : When encapsulated in polymer, it is not expected to pose a health hazard when processed under normal conditions of use.

No specific symptoms noted.

No specific symptoms noted.

No specific symptoms noted.

No other information noted.

Not regarded as dangerous for the environment.

Although classified according to EC criteria, this product is exempt from labelling according to article 23 and Annex 1 (section 1.3.4.1) of regulation (CE) n°1272/2008.

Safety data sheet available for professional user on request.

Other hazards:

No data available.

3. Composition/information on ingredients

Mixtures:

General information:

Mixture of Polyorganosiloxanes, fillers, additives.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	Notes
Quartz (SiO ₂)	<=20%	14808-60-7			

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

This substance has workplace exposure limit(s).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Safety Data Sheet

according to regulation (EU) No. 1907/2006

Trade name: picodent twinsil B

Classification:

Chemical name	Classification	Notes
Quartz (SiO ₂)	DPD: Xn; R48/20 CLP: STOT RE 1;H372	

DPD: Directive 67/548/EEC.
CLP: Regulation No. 1272/2008.:

The full text for all R/H-phrases is displayed in section 16.

4. First aid measures

General:	Get medical attention if symptoms occur. Contaminated clothing to be placed in closed container until disposal or decontamination.
Description of first aid measures:	
Inhalation:	Not relevant.
Eye contact:	In the event of contact with the eyes, rinse thoroughly with clean water. Continue to rinse for at least 15 minutes.
Skin contact:	Remove contaminated clothing and shoes. Wash with soap and water.
Ingestion:	Do not induce vomiting. Rinse mouth thoroughly.
Most important symptoms and effects, both acute and delayed:	None known.
Indication of any immediate medical attention and special treatment needed:	
Hazards:	No specific recommendations.
Treatment:	No specific recommendations.

5. Fire-fighting measures

General fire hazards:	No specific recommendations.
Extinguishing media:	
Suitable extinguishing media:	Foam. Powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire. Alkaline powders.
Special hazards arising from the substance or mixture:	Combustible. For further information, refer to section 10: „Stability and Reactivity“.
Advice for firefighters:	
Special Fire Fighting Procedures:	Water spray should be used to cool containers.
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Eliminate all sources of ignition. Use personal protective equipment. See Section 8 of the MSDS for Personal Protective Equipment. Keep away from Alkalis and caustic products.
Environmental precautions:	Collect spillage. Do not discharge into drains, water courses or onto the ground

Safety Data Sheet

according to regulation (EU) No. 1907/2006

Trade name: picodent twinsil B

Methods and material for containment and cleaning up:

Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Container must be kept tightly closed. Absorb with sand or other inert absorbent. Do NOT use products which are basic.

To clean the floor and all objects contaminated by this material, use an appropriate solvent.(cf. : § 9) Flush area with plenty of water. Incinerate in suitable combustion chamber.

Notification Procedures:

Caution: Contaminated surfaces may be slippery. For waste disposal, see section 13 of the MSDS.

7. Handling and storage

Precautions for safe handling:

Use mechanical ventilation in case of handling which causes formation of vapors. Do not mix with Incompatible materials. For further information, refer to section 10: „Stability and Reactivity“. Read and follow manufacturer's recommendations.

Conditions for safe storage, including any incompatibilities:

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures. Store in tightly closed original container. Suitable containers: polyethylene. Steel drums coated with epoxy-resin.

Specific end use(s):

No data available.

8. Exposure controls/personal protection

Control parameters:

Occupational exposure limits:

Quartz : When encapsulated in polymer, it is not expected to pose a health hazard when processed under normal conditions of use.

Exposure controls:

Appropriate engineering controls:

Avoid inhalation of vapors and spray mists.

Individual protection measures, such as personal protective equipment:

General information:

No specific precautions.

Eye/face protection:

Safety Glasses

Skin protection:

Hand protection:

Use protective gloves made of: Nitrile. Polyvinyl chloride (PVC). Rubber or plastic.

Other:

It is a good industrial hygiene practice to minimize skin contact. Wear suitable protective clothing.

Respiratory Protection:

No specific precautions.

Hygiene measures:

Provide eyewash station and safety shower.

Environmental Controls:

No data available.

Safety Data Sheet

according to regulation (EU) No. 1907/2006

Trade name: picodent twinsil B

9. Physical and chemical properties

Information on basic physical and chemical properties:

Appearance:

Physical State: Liquid
Form: Viscous.
Color: Yellow

Odor: Odorless

Odor Threshold: No data available.

pH: Not applicable

Freezing point: No data available.

Boiling Point: No data available.

Flash Point: > 200 °C (Closed cup according to method ASTM D-56.)

Evaporation Rate: No data available.

Flammability (solid, gas): No data available.

Flammability Limit - Upper (%)-: No data available.

Flammability Limit - Lower (%)-: No data available.

Vapor pressure: < 0,1 hPa (20 °C)

Vapor density (air=1): No data available.

Relative density: 1,05 (20 °C) Approximate

Solubility(ies):

Solubility in Water: Practically Insoluble

Solubility (other): Diethylether.: Miscible (in all proportions).

Aliphatic hydrocarbons.: Miscible (in all proportions).

Aromatic hydrocarbons.: Miscible (in all proportions).

Chlorinated solvents.: Miscible (in all proportions).

Acetone.: Very slightly soluble.

Ethanol.: Very slightly soluble.

Partition coefficient (n-octanol/water): No data available.

Autoignition Temperature: > 400 °C

Decomposition Temperature: > 200 °C

Viscosity: 5 000 mm²/s (20 °C)

Explosive properties: No data available.

Oxidizing properties: According to the data on the components not considered as oxidizing. (evaluation by structure-activity relationship)

10. Stability and reactivity

Reactivity: No other information noted.

Chemical stability: Stable

Possibility of hazardous reactions: During Storage, This product may generate hydrogen gas.

Conditions to avoid: No other information noted.

Incompatible materials: Strong oxidizing agents. Alkalis and caustic products. Chemical compounds with mobile hydrogen, in the presence of metal salts and complexes.

Hazardous decomposition products: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Amorphous silica.

Quantity of hydrogen potentially released (l/kg of product): <4

Safety Data Sheet

according to regulation (EU) No. 1907/2006

Trade name: picodent twinsil B

11. Toxicological information

Information on likely routes of exposure

Inhalation:	No effects expected (assessment based on ingredients).
Ingestion:	No effects expected (assessment based on ingredients).
Skin contact:	No effects expected (assessment based on ingredients).
Eye contact:	No effects expected (assessment based on ingredients).

Information on toxicological effects:

Acute Toxicity:

Oral:

Product:	No effects expected (assessment based on ingredients).
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Dermal:

Product:	No effects expected (assessment based on ingredients).
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Specified substance(s):

Quartz (SiO ₂)	No data available.
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Inhalation:

Product:	No effects expected (assessment based on ingredients).
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Repeated dose toxicity:

Product:	No effects expected (assessment based on ingredients).
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Skin corrosion/irritation:

Product:	No effects expected (assessment based on ingredients).
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Serious eye damage/eye irritation:

Product:	No effects expected (assessment based on ingredients).
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Respiratory or skin sensitization:

Product:	No effects expected (assessment based on ingredients).
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Germ cell mutagenicity:

In vitro:

Product:	No effects expected (assessment based on ingredients).
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In vivo:

Product:	No effects expected (assessment based on ingredients).
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Carcinogenicity:

Product:	No effects expected (assessment based on ingredients).
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Reproductive toxicity:

Product:	No effects expected (assessment based on ingredients).
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Specific target organ toxicity - single exposure:

Product:	No effects expected (assessment based on ingredients).
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Specific target organ toxicity - repeated exposure:

Product:	No effects expected (assessment based on ingredients).
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Aspiration hazard:

Product:	No effects expected (assessment based on ingredients).
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Other adverse effects:

None known.

Safety Data Sheet

according to regulation (EU) No. 1907/2006

Trade name: picodent twinsil B

12. Ecological information

Toxicity:

Acute toxicity:

Fish:

Product:

No effects expected (assessment based on ingredients).

Aquatic invertebrates:

Product:

No effects expected (assessment based on ingredients).

Chronic Toxicity:

Fish:

Product:

No effects expected (assessment based on ingredients).

Aquatic invertebrates:

Product:

No effects expected (assessment based on ingredients).

Toxicity to Aquatic Plants:

Product:

No effects expected (assessment based on ingredients).

Persistence and degradability:

Biodegradation:

Product:

Not applicable

BOD/COD ratio:

Product:

No data available.

Specified substance(s):

Quartz (SiO₂)

No data available.

Bioaccumulative potential:

Product:

No data available.

Specified substance(s):

Quartz (SiO₂)

No data available.

Mobility in soil:

No data available.

Known or predicted distribution to environmental compartments:

Quartz (SiO₂)

No data available.

Results of PBT and vPvB assessment:

None Reported

Other adverse effects:

None known.

13. Disposal considerations

Waste treatment methods:

General information:

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

Disposal Methods:

Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Incinerate in suitable combustion chamber.

Contaminated packages should be as empty as possible. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Recycle following cleaning or dispose of at an authorised site.

European Waste Codes:

Safety Data Sheet

according to regulation (EU) No. 1907/2006

Trade name: picodent twinsil B

14. Transport information

Environmental hazards:

This material is not subject to transport regulations.

Special precautions for user:

Not regulated.

No special precautions.

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

Not applicable.

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

National Regulations:

Chemical safety assessment:

No data available.

16. Other information

Revision Information:

Not relevant.

Key literature references and sources for data:

No data available.

Wording of the R-phrases and H-statements in section 2 and 3:

H372

Causes damage to organs through prolonged or repeated exposure.

R48/20

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

Training information:

No data available.

Inventory Status

Australia AICS:

Not in compliance with the inventory.

Canada DSL Inventory List:

Not in compliance with the inventory.

EU EINECS List:

On or in compliance with the inventory

Japan (ENCS) List:

On or in compliance with the inventory

China Inv. Existing Chemical Substances:

On or in compliance with the inventory

Korea Existing Chemicals Inv. (KECI):

On or in compliance with the inventory

Philippines PICCS:

On or in compliance with the inventory

US TSCA Inventory:

On or in compliance with the inventory

New Zealand Inventory of Chemicals:

On or in compliance with the inventory

SDS No:

Disclaimer:

The information given is based on data available for the material, the components of the material, and similar materials. The information is believed to be correct. It is given in good faith. This information should be used to make an independent determination of the methods to safeguard workers and the environment.