

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 extrahart A

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
Fax-No. +49 2267 6580-30

Emergency telephone:

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:

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

Xn; R48/20

Hazard summary:

Physical hazards:

Combustible.

Health hazards:

Inhalation:

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

Eye contact:

No specific symptoms noted.

Skin contact:

No specific symptoms noted.

Ingestion:

No specific symptoms noted.

Other Health Effects:

No other information noted.

Environmental hazards:

Not regarded as dangerous for the environment.

Label elements:

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)	<=25%	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.

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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:	Extinguish with foam, carbon dioxide or dry powder. Water spray.
Unsuitable extinguishing media:	None known.
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:	Use personal protective equipment. See Section 8 of the MSDS for Personal Protective Equipment.
Environmental precautions:	Collect spillage. Do not discharge into drains, water courses or onto the ground.

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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. 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:

No specific precautions.

Conditions for safe storage, including any incompatibilities:

No special storage precautions noted. Material is stable under normal conditions. Avoid contact with oxidizing agents. Suitable containers: polyethylene. Plastic lined steel drum.

Specific end use(s):

No specific recommendations.

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:

No special precautions.

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:

No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

Respiratory Protection: No specific precautions.

Hygiene measures:

Provide eyewash station and safety shower.

Environmental Controls:

No data available.

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9. Physical and chemical properties

Information on basic physical and chemical properties:

Appearance:

Physical State:

Liquid

Form:

Viscous.

Color:

White

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 (%)—:

Flammability Limit - Lower (%)—:

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:

Solubility (other):

Practically Insoluble

Diethylether.: Miscible (in all proportions).

Chlorinated solvents.: Miscible (in all proportions).

Aromatic hydrocarbons.: Miscible (in all proportions).

Aliphatic hydrocarbons.: 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:

4 800 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:

Not relevant.

Chemical stability:

Stable

Possibility of hazardous reactions:

No data available.

Conditions to avoid:

No other information noted.

Incompatible materials:

Strong oxidizing agents.

Hazardous decomposition products:

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

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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 (SiO₂)

No data available.

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.

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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:

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14. Transport information

Environmental hazards:

This material is not subject to transport regulations.

Special precautions for user:

Not regulated.

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

No special precautions.

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:

On or in compliance with the inventory

Canada DSL Inventory List:

On or in compliance with the inventory

EU EINECS 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

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.