

# Safety Data Sheet

according to regulation (EU) No. 1907/2006

Rev. 2014-10

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

### Information on the product

**Trade name:** pico-strahlresin

### 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  
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### Emergency telephone:

picodent GmbH, Wipperfürth

Telephone-No. +49 2267 6580-0

## 2. Hazards identification

### Classification of the substance or preparation

Flux-calcinated terra silicea with a proportion of less than 1 %  
respirable cristobalite

This product does not fulfil the criteria for classification as harmful to health in accordance with Regulation EC 1272/2008 and Directive 67/548/EEC.

### Regulation (EC) No. 1272/2008:

No classification

### Directive EU (67/548/EEC):

No classification

### Identification

Flux-calcinated diatomaceous earth with a proportion of less than 1 %  
respirable cristobalite  
None

### Other safety information

Acute inhalation can cause dryness in the nose and throat and in the respiratory organs, as well as coughing. Inhalation of dust over a prolonged period of time should be avoided. In the event of contact with eyes, irritation, e.g. watering and other irritation, can occur. Although it is not absorbed through the skin, skin dryness can occur following prolonged exposure. Swallowing smaller quantities is not considered harmful, although it can cause irritation in the mouth, throat and stomach.

## 3. Composition/information on ingredients

### Main constituents

Name	Concentration	CAS No.	EINECS No.
Terra silicea flux-calcinated	100%	68855-54-9	272-489-0

### Other constituents:

<b>Cristobalite (respirable):</b>	<1%	14464-46-1	238-455-4
Respirable crystalline silica according to SWeRF calculation (particle size distribution)			

### Foreign substances:

None

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## 4. First aid measures

General notice:	There are no acute health hazards
Measures	
Eye contact:	Rinse with plenty of water. If symptoms persist, seek medical attention.
Swallowing:	To alleviate dryness in the mouth and throat, sufficient quantities of water should be consumed.
Inhalation:	After inhalation, move the patient into the fresh air. Clean nose to remove dust.
Skin contact:	Rinse skin with soap and water. If skin dryness occurs, a suitable body lotion should be used.
The most important symptoms, both acute and delayed	Acute inhalation can cause dryness in the nose and throat and in the respiratory organs, as well as coughing. Inhalation of dust over a prolonged period of time should be avoided. Suitable breathing protection equipment should be worn in areas in which the limit values exceed the currently valid legal regulations. Swallowing smaller quantities can cause irritation in the mouth, throat and stomach.
Special medical information	No particular notes to be observed. However, after inhalation, the patient should be moved into the fresh air and their nose cleaned to remove the dust.

## 5. Fire-fighting measures

The product is not flammable or explosive. The creation of a larger quantity of dust should be avoided for fire-fighting measures.

## 6. Accidental release measures

Personal precautionary measures:	Avoid inhalation of dust. In the event of larger quantities of dust, wear suitable protective equipment.
Measures against spillage or leakage:	No acute danger. Prevent development of dust. Suck product with a suitable industrial suction unit or collect with a shovel by moistening with water.
Environmental protection measures:	Prevent development of dust.

## 7. Handling and storage

Handling:	store in a dry place, prevent development of dust
Storage:	store in a dry place, keep container closed, protect from moisture.

## 8. Exposure controls/personal protection

Dust limit:	Prevent development of dust
Technical measures:	Wash with water

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**Personal protective equipment:**

**Respiratory protection:**

certified dust protection mask approved for protection against dust that contains crystalline silica.

**Hand protection:**

no particular measures required.

**Eye protection:**

wear safety goggles to protect against dust.

**Body protection:**

no particular measures required.

## 9. Physical and chemical properties

**Appearance:**

**Form:**

powder

**Colour:**

white

**Odour:**

odourless

**Changes of state:**

not applicable

**Safety-relevant information:**

**Melting point:**

-

**Flashpoint:**

not flammable

**Flammability:**

not flammable

**Auto flammability:**

-

**Risk of explosion:**

none

**Vapour pressure:**

-

**Density:**

2.2

**Solubility:**

< 2%

**pH value:**

8 - 10

## 10. Stability and reactivity

**Stability:**

Stable

**Hazardous reaction:**

When in contact with hydrogen fluoride, products containing silicon can have a very severe reaction. During the reaction, silicon fluoride is produced, which can be harmful to health.

## 11. Toxicological information

**Acute toxicity:**

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

**Skin damage/irritation:**

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

**Severe eye damage/irritation:**

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

**Sensitisation of the airways or skin:**

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

**Mutated germ cells:**

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

**Carcinogenic:**

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

**Genotoxicity in vitro:**

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

**STOT – one-time exposure:**

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

**STOT – repeated exposure:**

Flux-calcinated diatomaceous earth with a proportion of less than 1% respirable cristobalite.

**Risk of inhalation:**

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

## 12. Ecological information

pico-strahlresin is a non-toxic mineral, without any negative biological influences on the environment.

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## 13. Disposal considerations

pico-strahlresin can be disposed of as domestic refuse while taking into account the respective valid legal regulations and following consultation with the responsible disposal company or the responsible authorities.

## 14. Transport information

Not dangerous goods as defined by the regulations on transportation. The product is not a dangerous substance. Hazard class, hazard symbols and R and S phrases are not required.

## 15. Regulatory information

**National regulations:**

According to the current Ordinance on Hazardous Substances (GefStoffV), the product is not subject to mandatory labelling.

## 16. Other information

The aforementioned information is based on our current knowledge and does not represent any assurance of properties. It should exclusively help to take suitable safety precautions.