

MATERIAL SAFETY DATA SHEET

(in compliance with Regulation (EC) 1907/2006, as amended by Regulation (EC) 453/2010, and Regulation (EU) 1272/2008)

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Poliresin®

1. MATERIAL/PREPARATION AND COMPANY DESCRIPTION

Product, Trade Name Details: **Poliresin®**

Manufacturer/Dispatcher Details:

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2. HAZARDS IDENTIFICATION

Fired, heat-modified Terra silicea with less than 1% respirable cristobalite

This product does not meet the criteria for classification as hazardous as defined in the Regulation EC 1272/2008 and in Directive 67/548/EEC.

Regulation EC 1272/2008:

No classification

Directive EU (67/548/EEC):

No classification

2.2. Label elements

Terra silicea Flux-calcined with less than 1% respirable cristobalite

None

2.3. Other hazards

Acute inhalation can cause dryness of the nasal passage and lung congestion, coughing and general throat irritation. Chronic inhalation of dust should be avoided. May cause irritation (tear formation and redness) if dust gets in eyes. Although not absorbed by the skin, may cause dryness if prolonged exposure. Ingestion of small to moderate quantities is not considered harmful, but may cause irritation of the mouth, throat and stomach.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Main constituent

Name	% by weight	CAS-No	EINECS No
Terra silicea, Flux-calcined	100%	68855-54-9	272-489-0

Other components

Cristobalite (Respirable) < 1%	14464-46-1	238-455-4
Respirable crystalline silica per SWeRF calculation (particle size distribution)		

3.2. Impurities: None

4. FIRST AID MEASURES

4.1. Description of first aid measures

Eye contact: Rinse with copious quantities of water and seek medical attention if irritation persists.

Ingestion: Drink generous amounts of water to reduce bulk and drying effect.

Inhalation: Movement to fresh air is recommended. Blow nose to evacuate dust.

Skin contact: Wash skin with soap and water. Use suitable lotion to moisturize skin if dryness occurs.

4.2. Most important symptoms and effects, both acute and delayed

Acute inhalation can cause dryness of the nasal passage and lung congestion, coughing and general throat irritation. Chronic inhalation of dust should be avoided. Personal protective respiratory equipment is recommended if area exposure levels are higher than permissible under current national regulations. Ingestion of moderate quantities may cause irritation to the mouth, throat and stomach.

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4.3. Indication of any immediate medical attention and special treatment needed

No specific actions are required, however movement to fresh air is recommended and blow nose to evacuate dust.

5. FIREFIGHTING MEASURES

The product is not flammable or explosive. If a fire is being extinguished, greater build-up of dust should be prevented.

6. MEASURES FOR ACCIDENTAL EXPOSURE

6.1 Personal Precautions:

Do not inhale dust. If there is a severe dust build-up, wear suitable protective clothing.

6.2 Measures after Spillage or Discharge

No acute danger. Avoid dust build-up. Vacuum product with suitable industrial vacuum cleaner or pick it up with a dustpan after moistening with water.

6.3 Environmental Protection Measures

Avoid dust build-up.

7. HANDLING AND STORAGE

Handling: Store dry, avoid dust build-up

Storage: Store dry, keep packing drum closed, protect from dampness.

8. LIMITING EXPOSURE AND PERSONAL

PROTECTIVE CLOTHING

Dust Restriction: Avoid dust build-up.

Technical Measures: Wash off with water

Personal Protective Clothing:

Respiratory Protection: Tested dust protection mask licensed for protection against dust containing crystalline silicic acid.

Hand Protection: No special measures required.

Eye Protection: Wear glasses that protect against dust.

Body Protection: No special measures required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Powder
Colour:	White
Odour:	Odourless
Change of State:	N/A

Safety-Related Data:

Melting Point:	-
Flash Point:	Not flammable
Flammability:	Not flammable
Self-Flammability:	-
Risk of Explosion:	None
Steam Pressure:	-
Density:	2.2
Solubility:	< 2 %
pH Value:	8 - 10

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10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous Reaction: Products containing silicon can have a very strong reaction in connection with hydrogen fluoride. If there is a reaction, silicon fluorides are formed that can be hazardous to the health.

11. TOXICOLOGY DATA

11.1. Information on toxicological effects

- a. Acute toxicity: Based on available data, the classification criteria are not met.
- b. Skin corrosion/ irritation: Based on available data, the classification criteria are not met.
- c. Serious eye damage/ irritation: Based on available data, the classification criteria are not met.
- d. Respiratory or skin sensitization: Based on available data, the classification criteria are not met.
- e. Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- f. Carcinogenicity: Based on available data, the classification criteria are not met.
- g. Reproductive toxicity: Based on available data, the classification criteria are not met.
- h. STOT – Single exposure: Based on available data, the classification criteria are not met.
- i. STOT – Repeated exposure: Kieselguhr Flux-calcined with less than 1% respirable cristobalite
Based on available data, the classification criteria are not met.
- j. Aspiration hazard: Based on available data, the classification criteria are not met.

12. ECOLOGY DATA

Poliresin is a non-toxic mineral with no negative biological influence on the environment.

13. WASTE DISPOSAL TIPS

Poliresin can be disposed of as domestic waste in accordance with the specific applicable legal regulations and following consultation with the appropriate waste disposal officer or authority.

14. TRANSPORT DATA

No hazardous materials according to transport regulations. The product is not a hazardous working material. Hazard class, hazard symbols and R and S sets are not required.

15. REGULATIONS

National Regulations: According to the current Hazardous Material Ordinance, the product does not have to be labelled.

16. OTHER DATA

The above data is supported by the current state of our knowledge and does not constitute any warranty of properties. It should help only in carrying out suitable safety measures.