

Safety Data Sheet

according to 1907/2006/EC, Article 31

SWISSPEARL®

Printing date 06.02.2009

EUS-002e

Revision: 06.02.2009

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

- **Product details**
- **Trade name:** SWISSPEARL® CARAT, REFLEX, XPRESSIV, NOBILIS, PLANEA, TERRA
- **Application of the substance / the preparation** Fibre Cement Composite Panel
- **Manufacturer/Supplier:**
Eternit (Switzerland) AG
CH-8867 Niederurnen
Phone +41 55 617 11 11
Fax +41 55 617 12 23
- **Further information obtainable from:** info@eternit.ch
- **Information in case of emergency:**
Emergency information: Phone: +41 55 617 11 11
Technology and Test Centre (TPC): Phone: +41 55 617 15 41

2 Hazards identification

- **Hazard description:** Not applicable.
- **Information concerning particular hazards for human and environment:**
The finished product is an article, therefore, the product does not have to be classified and labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:**
Hardened cement with integrated layers of pulp and synthetic fibres and mineral aggregates. Penetrated with dye or coated with acrylic paint dispersion.
- **Dangerous components:**

CAS: 68475-76-3	Cement, portland, chemicals	☒ Xi; R 36/37/38-43	50-100%
CAS: 1305-62-0 EINECS: 215-137-3	calcium dihydroxide	☒ Xi; R 38-41	2,5-5%
- **Additional information:**
All concentrations are given as mass percentage (weight/weight).
For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **General information:** No special measures required.

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5 Fire-fighting measures

- **Suitable extinguishing agents:**
The product itself does not burn, it is neither flammable nor explosive.
Fire classification according to ASTM E 136 non-combustible and EN 13501-1 non-combustible class A2-s1, d0.
Use fire extinguishing methods suitable to surrounding conditions.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:** Pick up mechanically.
- **Additional information:** No dangerous substances are released.

7 Handling and storage

- **Handling**
- **Information for safe handling:**
Machining in accordance with specifications in technical product documentation.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Observe the directions in the product documentation.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:**
Use machining devices with low dust emissions (dust extraction).

- **Ingredients with limit values that require monitoring at the workplace:**

68475-76-3 Cement, portland, chemicals (50-100%)

AGW (Germany)	5 E mg/m ³ DFG
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1305-62-0 calcium dihydroxide (2,5-5%)

MAK (Switzerland)	5 e mg/m ³
IOELV (EU)	5 mg/m ³

- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **Respiratory protection:** Dust mask must be worn when machining with cutting devices.
- **Protection of hands:** Work gloves from leather must be worn for machining.

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- **Eye protection:** Safety goggles must be worn for machining.

9 Physical and chemical properties

· General Information

Form:	Solid
Colour:	According to product specification
Odour:	Odourless

· Change in condition

Melting point/Melting range: Not applicable.
Boiling point/Boiling range: Not applicable.

· **Flash point:** Not applicable.

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density:** 1.7 - 1.9 g/cm³

· **Solubility in / Miscibility with water:** Insoluble.

· **pH-value:** 11-13 (25°C)

· Solvent content:

Organic solvents: 0,0 %

10 Stability and reactivity

· Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

· **Dangerous reactions** No dangerous reactions known.

· **Dangerous decomposition products:** None.

11 Toxicological information

· Acute toxicity

· Primary irritant effect:

· **on the skin:** No irritant effect.

· Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 Ecological information

· **Information about elimination (persistence and degradability):** Non degradable.

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- **Behaviour in environmental systems:**
- **Mobility and bioaccumulation potential:** Not applicable.

13 Disposal considerations

- **Product**
- **Recommendation:**
Dispose of material as inert, non-metallic mineral in conformance with local and national regulations.
Quality of inert material: waste code EAK 17 01 01, waste from construction, concrete, fibre cement
U-factor: 1.30
- **Uncleaned packaging**
- **Recommendation:** Not applicable.

14 Transport information

- | |
|---|
| <ul style="list-style-type: none"> · Land transport ADR/RID (cross-border) · ADR/RID class: - |
| <ul style="list-style-type: none"> · Maritime transport IMDG · IMDG Class: - · Marine pollutant: No |
| <ul style="list-style-type: none"> · Air transport ICAO-TI and IATA-DGR · ICAO/IATA Class: - |
- **Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulatory information

- **Labelling according to EU guidelines:** No markings required.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant R-phrases**
36/37/38 Irritating to eyes, respiratory system and skin.
38 Irritating to skin.
41 Risk of serious damage to eyes.
43 May cause sensitisation by skin contact.
- **Recommended restriction of use**
The product must not be used for any purpose other than that specified in section 1 without written consent.
- **Department issuing MSDS:**
Technology and test centre (TPC)
Phone: +41 55 617 15 41 Fax: +41 55 617 12 23
E-mail: christoph.weder@eternit.ch

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