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Safety Data Sheet

Evercrete Pavishield

Revision:

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Evercrete Pavishield

1.2. Relevant identified uses of the substance or mixture and uses advised against recommended use

Protective hardener and curing agent for concrete floors.

1.3. Detail of the supplier of the safety data sheet

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National Distributor
Ecobeton Italy Srl

Information about the Safety Data Sheet:

tecnica@ecobeton.it

1.4. Emergency telephone number

Italy - Italia | Verona Integrated Hospital Company: 800 011 858
Full list at: preparatipericolosi.iss.it

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):
Not a hazardous substance or mixture.

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2. Label elements

No labeling according to GHS required.

2.3. Other Hazards

PBT: none
vPvB: none
The product is not listed or identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100.
Other Hazards: none

SECTION 3: Composition/information on ingredients

Chemical identity:

Sodium silicate in aqueous solution

3.2. Mixtures

This mixture does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice: Under ordinary workplace conditions: No special measures required.
Inhalation: Move person to fresh air. If effects occur, consult a physician.
Skin contact: Wash with plenty of water or water and soap. Take off contaminated clothing. Seek medical attention if symptoms occur or irritation persists.
Eye contact: Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Seek medical advice in case of continuous irritation.
Ingestion: Rinse mouth with water. Do NOT induce vomiting. If effects occur, consult a physician.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Not available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: All extinguishing agents can be used.
Unsuitable extinguishing media: None known.

5.2. Special hazards arising from the substance or mixture

None.

5.3. Advice for firefighters

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Product does not burn. Use personal protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel: Use personal protective equipment. If material is released indicate risk of slipping.
For emergency responders: Use personal protective equipment. Stop the leak if the operation is safe. Keep people not involved in emergency intervention away from the area affected by the spreading.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Discharge into the environment must be avoided.

6.3. Methods and materials for containment and cleaning up

Suck up the leaked product into a suitable container. Clean up remaining materials from spill with suitable absorbant.

6.4. Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Take care to prevent spills, waste and minimize release to the environment.

7.2. Conditions for safe storage, including any incompatibilities

Protect against frost. Keep in properly labelled containers.
Do not store with the following product types: Aluminium.
Unsuitable materials for containers: Aluminium.

7.3. Specific end use(s)

See the technical data sheet on this product for further information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

TLV Occupational exposure limit of the entire mixture: Not available

DNEL Exposure limit values for the whole mixture: Not available
PNEC Exposure limit values for the entire mixture: Not available

8.2. Exposure controls

Appropriate engineering controls: No special measures required.

Individual protection measures

Eye/Face protection: Use protective goggles.
Skin Protection: Hand Protection: Use of protective gloves is recommended when handling the material. Other: Wear professional long-sleeved work clothes and safety footwear (category S2 or superior).
Respiratory protection: Wear a protective mask during spray application.
Thermal hazards: Not Available.

Environmental exposure controls
See SECTION 7: Handling and storage and SECTION 13: Disposal considerations for measures to prevent excessive environmental exposure during use and waste disposal.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	transparent
Odour	odourless
Melting point/freezing point	~ 0°C
Boiling point or initial boiling point and boiling range	~ 100°C
Flammability	n.d. (non flammable liquid)
Lower and upper explosion limit	n.d. (non explosive liquid)
Flash point	n.d. (non flammable liquid)
Auto-ignition temperature	n.d. (non flammable liquid)
Decomposition temperature	n.d. (inorganic liquid)
pH	> 11
Kinematic viscosity	n.a.
Solubility	n.a.
Partition coefficient n-octanol/water (log value)	n.d. (mixture)
Vapour pressure	n.a.
Density and/or relative density	1.125 g/cm³
Relative vapour density	n.a.
Particle characteristics	n.a. (liquid)

9.2. Other information

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Not classified as a reactivity hazard.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

It can react with aluminum, zinc, tin and their alloys to produce hydrogen. The product can react with acids.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

No one in particular.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No. 1272/2008

Acute toxicity

Acute oral toxicity Based on available data, the classification criteria are not met.
Acute dermal toxicity Based on available data, the classification criteria are not met.
Acute inhalation toxicity Based on available data, the classification criteria are not met.

Skin corrosion/irritation
Due to the pH of the material, it is assumed that exposure may cause skin irritation.
Serious eye damage/eye irritation
Due to the pH of the material, it is assumed that exposure may cause severe eye damage.
Respiratory or skin sensitization
For respiratory sensitization: No relevant data found.
Germ cell mutagenicity
Based on known data a significant mutagenic potential may be excluded.
Carcinogenicity
For this endpoint no toxicological test data is available for the whole product.
Reproductive toxicity
For this endpoint no toxicological test data is available for the whole product.
Specific Target Organ Systemic Toxicity (Single Exposure)
Based on available data, the classification criteria are not met.
Specific Target Organ Systemic Toxicity (Repeated Exposure)
Based on available data, the classification criteria are not met.
Aspiration Hazard
Based on physical properties, not likely to be an aspiration hazard.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties
The substance/mixture does not contain any components considered to have endocrine disrupting properties within the meaning of Article 57(f) of REACH or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
11.2.2. Other information None available.

SECTION 12: Ecological information

12.1. Toxicity

According to current knowledge adverse effects on water purification plants are not expected.No expected damaging effects to aquatic organisms.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No adverse effects expected.

12.4. Mobility in soil

No adverse effects expected.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

None known.

12.7. Other adverse effects

According to present knowledge no adverse influence to environment expected.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Containers may be recycled or re-used.

SECTION 14: Transport information

14.1. UN number or ID number	Not regulated for transport.
14.2. Proper shipping name	Not regulated for transport.
14.3. Transport hazard class(es)	Not regulated for transport.
14.4. Packing group	Not regulated for transport.
14.5. Environmental hazards	Not Hazardous to the environment.
14.6. Special precautions for user	Relevant information in other sections has to be considered.
14.7. Maritime transport in bulk according to IMO instruments	Bulk transport in tankers is not intended.

SECTION 15: Regulatory Information

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

Other safety, health and environmental regulations/legislation specific for the substance or mixture: None available.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture.

SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008

The information contained in this Safety Data Sheet is derived from the data provided by the suppliers of the components of the mixture, that we verified adequate and reliable by analogy with similar products and with the information provided by ECHA.

Legend

CLP	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures
GHS	Globally Harmonized System
IMO	International Maritime Organization
PBT	Persistent, Bioaccumulative and Toxic substance
REACH	Regulation (EC) No 1907/2006 of the European Parliamentand of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
SDS	Safety Data Sheet
UN	United Nations
vPvB	Very Persistent and Very Bioaccumulative

Bibliography

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
- Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- European Chemical Agency (https://echa.europa.eu/)
- Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer
- Regulation (EU) 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants
- Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals
- Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC
- EN ISO 374-5:2016 - Protective gloves against dangerous chemicals and micro-organisms
- DIRECTIVE 2012/18/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC
- Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directive

Changes made to the previous version:

Section 1
The information contained in this sheet is based on the knowledge available to us at the date of the latest version. The user must ensure the suitability and completeness of the information in relation to the specific use of the product.
This document should not be construed as a guarantee of any specific property of the product.
Since the use of the product does not fall under our direct control, it is the user s obligation to observe the laws and regulations in force regarding hygiene and safety under his own responsibility. No responsibility is assumed for improper use.
Provide adequate training to personnel assigned to the use of chemical products.
End of safety datasheet