

SAFETY DATA SHEET

Tulppa wetroom board

The safety data sheet is in accordance with Commission Regulation (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued	23.02.2018
Revision date	22.03.2023

1.1. Product identifier

Product name	Tulppa wetroom board
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance / mixture	wetroom board
Main intended use	PC-CON-OTH Other construction products
Industrial use	Yes
Professional use	Yes
Consumer use	Yes

1.3. Details of the supplier of the safety data sheet

Importer

Company name	Finnfoam Oy
Office address	Satamakatu 5
Postcode	FI-24100
City	Salo
Country	Finland
Telephone number	+358 2 777 300
Email	finnfoam@finnfoam.fi
Enterprise No.	0689386-6

1.4. Emergency telephone number

Emergency telephone	Telephone number: +358 800 147 111 or +358 9 471 977 Description: Poison Information Centre (in Finland), P.O. Box 790 (Tukholmankatu 17), 00029 HUS Open 24 hours a day.
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Identification, comments	Telephone number: 112 Description: Emergency telephone number Open 24 hours a day.
	Please contact the Emergency Centre in your own country, e.g. 112 in European Union countries.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP classification, notes	The product is an article in the sense of Art. 3, REACH Regulation (EC) 1907/2006 and not subject to the labelling obligations according to Art. 1, CLP Regulation (EC) 1272/2008.
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2.2. Label elements

Other label information (CLP)	The product is an article in the sense of Art. 3, REACH Regulation (EC) 1907/2006 and not subject to the labelling obligations according to Art. 1, CLP Regulation (EC) 1272/2008.
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2.3. Other hazards

PBT / vPvB	For results of PBT and vPvB assessment, see point 12.5.
Hazard description, general	High concentrations of dust may form explosive mixture with air.
Other hazards	Endocrine disrupting properties: This product does not contain substances identified as having endocrine disrupting properties at a concentration $\geq 0.1\%$.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Polystyrene	CAS No.: 9003-53-6		13 - 41 %	
Portland cement	CAS No.: 65997-15-1 EC No.: 266-043-4	Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335	> 2 %	
Ethanol	CAS No.: 64-17-5 EC No.: 200-578-6 Index No.: 603-002-00-5	Flam. Liq. 2; H225	< 1 %	
Isobutanol	CAS No.: 78-83-1 EC No.: 201-148-0 Index No.: 603-108-00-1	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE3; H335 STOT SE3; H336	< 0,1 %	
Description of the mixture	Cement, portland is coating material to insulation board. Used substances are polymerized into solid polymer net. On the basis of several tests, final solid product does not emit hazardous substances.			
Substance comments	The full text for all hazard statements is displayed in section 16.			

SECTION 4: First aid measures

4.1. Description of first aid measures

General	Get medical advice/attention if you feel unwell.
Inhalation	If symptoms occur, move exposed person to fresh air. Get medical attention if symptoms persist or are severe.
Skin contact	Wash contaminated skin thoroughly with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
Eye contact	Immediately flush eyes with plenty of water for several minutes, holding eyelids open. Remove contact lenses, if present and easy to do, and continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Do NOT induce vomiting. Place unconscious person on the side in the recovery position and ensure open airways.

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

Acute symptoms and effects	None known.
Delayed symptoms and effects	None known.

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

Other information	No specific instructions. Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use an extinguishing agent suitable for the surrounding fire.
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5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	High concentrations of dust may form explosive mixture with air.
Hazardous combustion products	In the event of fire, health hazardous and toxic gases may be formed. Carbon dioxide (CO ₂). Carbon monoxide (CO). Other products of incomplete combustion.

5.3. Advice for firefighters

Personal protective equipment	Wear appropriate protective equipment and self-contained breathing apparatus.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Keep unnecessary and unprotected people from entering.
Personal protection measures	Avoid contact with skin or eyes. Avoid breathing dust. Wear appropriate personal protective equipment. For personal protection, see section 8.
For emergency responders	Wear protective gloves / protective clothing / eye protection / face protection. Wear respiratory protection.

6.2. Environmental precautions

Environmental precautionary measures

Runoff or release to sewer, waterway or ground is forbidden.

6.3. Methods and material for containment and cleaning up

Clean up

Collect the product, for example using a shovel, and place in sealable containers for recovery or disposal.

6.4. Reference to other sections

Other instructions

Safe handling: see point 7.
Personal protective equipment: see point 8.
Waste disposal: see point 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling

Avoid contact of the product with skin and eyes. Use appropriate personal protective equipment while handling the product (see point 8).

Protective safety measures

Safety measures to prevent fire

High concentrations of dust may form explosive mixture with air. Keep away from ignition sources.

Preventive measures to prevent aerosol and dust generation

Prevent formation of dust.

Advice on general occupational hygiene

Handle in accordance with good industrial hygiene and safety practices. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash hands before breaks and at the end of workday. Wash contaminated clothes before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage

No special storage precautions noted.

Conditions for safe storage

Technical measures and storage conditions

Store in a cool, dry, well-ventilated area.

7.3. Specific end use(s)

Specific use(s)

The use stated in section 1.2.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Polystyrene	CAS No.: 9003-53-6	Country of origin: United Kingdom Limit value (8 h) : 100 ppm Limit value (8 h) : 430 mg/	

		m ³ Limit value (short term) Value: 250 ppm Limit value (short term) Value: 1080 mg/m ³
Portland cement	CAS No.: 65997-15-1	Country of origin: United Kingdom Limit value (8 h) : 10 mg/m ³ Particle fraction: Inhalable Country of origin: United Kingdom Limit value (8 h) : 4 mg/m ³ Particle fraction: Respirable Country of origin: Finland Limit value (8 h) : 5 mg/m ³ Comments: Cement dust Particle fraction: Inhalable Country of origin: Finland Limit value (8 h) : 1 mg/m ³ Comments: Cement dust Particle fraction: Respirable
Ethanol	CAS No.: 64-17-5	Country of origin: United Kingdom Limit value (8 h) : 1000 ppm Limit value (8 h) : 1920 mg/m ³ TWA Year: 2020
Isobutanol	CAS No.: 78-83-1	Limit value (8 h) : 20 ppm Limit value (8 h) : 80 mg/m ³ TWA Year: 2014 Limit value (short term) Value: 50 ppm Limit value (short term) Value: 120 mg/m ³
Control parameters comments	Used substances are polymerized into solid polymer net. On the basis of several tests, final solid product does not emit hazardous substances.	

DNEL / PNEC

Summary of risk management measures, human	DNEL/PNEC: Chemical safety assessment has not been performed for the product, no information available about ingredients.
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8.2. Exposure controls

Precautionary measures to prevent exposure

Technical measures to prevent exposure	Ensure adequate ventilation. If general ventilation is not adequate to keep airborne concentrations under given occupational exposure limits, local exhaust ventilation must be used. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
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Eye / face protection

Required Properties	Wear approved, tight fitting safety glasses where splashing is probable.
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Eye protection, comments	Ota yhteys suojaainvalmistajaan sopivien suojalasien valitsemiseksi.
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Hand protection

Suitable gloves type	No specific hand protection noted, but gloves may still be advisable.
Suitable materials	Contact glove manufacturer for specific advice on glove selection.

Skin protection

Suitable protective clothing	Wear appropriate protective clothing.
Additional skin protection measures	Wash contaminated skin after exposure.

Respiratory protection

Respiratory protection necessary at	Normally not needed in well-ventilated areas. If it is not possible to reduce exposure levels to below exposure limit values by ventilation, use appropriate respirator.
Recommended type of equipment	Consult with respirator manufacturer to determine respirator selection, use, and limitations.

Appropriate environmental exposure control

Environmental exposure controls	Prevent entry into drains, sewers, waterways or soil.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid.
Colour	Not determined.
Odour	Odourless or mild odor.
Odour limit	Comments: Not relevant.
pH	Comments: Not determined.
Melting point / melting range	Comments: Not determined.
Boiling point / boiling range	Comments: Not determined.
Flash point	Comments: Not determined.
Evaporation rate	Comments: Not determined.
Flammability	~ 300 °C
Explosion limit	Comments: Not determined.
Vapour pressure	Comments: Not determined.
Vapour density	Comments: Not determined.
Particle characteristics	Comments: Not determined.
Density	Comments: Not determined.
Solubility	Comments: Water insoluble.

Partition coefficient: n-octanol/ water	Comments: Not determined.
Auto-ignition temperature	Value: ~ 400 °C
Decomposition temperature	Comments: Not determined.
Viscosity	Comments: Not determined.

9.2. Other information

9.2.2. Other safety characteristics

Comments	None reported.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Not reactive under normal use and storage conditions.
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10.2. Chemical stability

Stability	Stable under normal storage and handling conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None known.
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10.4. Conditions to avoid

Conditions to avoid	None known.
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10.5. Incompatible materials

Materials to avoid	No incompatible groups noted.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Harmful compounds may be evolved during fire. Carbon monoxide (CO). Carbon dioxide (CO ₂). Other products of incomplete combustion.
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SECTION 11: Toxicological information

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

Acute toxicity	Comments: There is no toxicological data available about the product as such. The product is not classified as acutely toxic. Data lacking.
Other toxicological data	Used substances are polymerized into solid polymer net. On the basis of several tests, final solid product does not emit hazardous substances.

Other information regarding health hazards

Assessment of skin corrosion / irritation, classification	The product is not classified as irritant or corrosive to skin. Data lacking.
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Assessment of eye damage or irritation, classification	The product is not classified as damaging or irritating to eyes. Data lacking.
Sensitisation	The product is not classified as a respiratory or skin sensitiser. Data lacking.
Mutagenicity	The product is not classified as a mutagen. Data lacking.
Carcinogenicity, other information	The product is not classified as a carcinogen. Data lacking.
Reproductive toxicity	The product is not classified as toxic to reproduction. Data lacking.
Assessment of specific target organ toxicity - single exposure, classification	The product is not classified as toxic to specific target organs at a single exposure. Data lacking.
Assessment of specific target organ toxicity - repeated exposure, classification	The product is not classified as toxic to specific target organs at repeated exposure. Data lacking.
Assessment of aspiration hazard, classification	The product is not classified as an aspiration hazard. Data lacking.

11.2 Other information

Endocrine disruption	This product does not contain substances identified as having endocrine disrupting properties at a concentration $\geq 0.1\%$.
Other information	No other health effects reported.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Ethanol
Aquatic toxicity, fish	Value: 4600 mg/l Test duration: 96 h Species: <i>Leuciscus idus melanotus</i> Method: LC50
Substance	Ethanol
Aquatic toxicity, algae	Value: 9000 mg/l Test duration: 10 d Species: <i>Chlorella pyrenoidosa</i> Method: EC50
Substance	Ethanol
Aquatic toxicity, crustacean	Value: 12340 mg/l Test duration: 48 h Species: <i>Daphnia magna</i> Method: LC50
Ecotoxicity	There is no ecotoxicological data available about the product as such. The product is not classified as hazardous to the environment. Data lacking. Prevent entry into drains, sewers, waterways or soil.

12.2. Persistence and degradability

Persistence and degradability description/evaluation	No data recorded.
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12.3. Bioaccumulative potential

Bioaccumulation, evaluation	No data recorded.
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12.4. Mobility in soil

Mobility	The product is insoluble in water.
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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	This product does not contain substances considered to be either PBT or vPvB at a concentration $\geq 0.1\%$.
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12.6. Endocrine disrupting properties

Endocrine disrupting properties	This product does not contain substances identified as having endocrine disrupting properties at a concentration $\geq 0.1\%$.
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12.7. Other adverse effects

Additional ecological information	None reported.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Prevent entry into drains, sewers, waterways or soil.
Appropriate methods of disposal for the contaminated packaging	Packaging that cannot be cleaned should be disposed of like the product. Tyhjät säiliöt on puhdistettava huolellisesti tuotejäämistä ennen kierrätykseen toimittamista.
Other information	Dispose of in compliance with local and national regulations.

SECTION 14: Transport information

14.1. UN number

Comments	Not classified as hazardous for transport (ADR, RID, ADN, ICAO/IATA, IMDG)
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14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

IMDG Marine pollutant	No.
Comments	The product is not classified as hazardous to the environment.

14.6. Special precautions for user

14.7. Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

Legislation and regulations	No specific regulations.
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15.2. Chemical safety assessment

Chemical safety assessment performed	No
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SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness.
Training advice	Read safety data sheet.
Key literature references and sources for data	Previous version of the SDS (23.02.2018) Product specifications by manufacturer Degree on Concentrations known to be Hazardous (268/2014) (HTP-arvot 2014)
Abbreviations and acronyms used	DNEL: Derived No-Effect Level EC50: Effective concentration: concentration which kills or immobilises 50 % of exposed organisms HTP: Concentrations known to be Hazardous. LC50: Lethal concentration 50 % (median lethal concentration): concentration which kills 50 % of exposed organisms PBT: Persistent, Bioaccumulative and Toxic substance. PNEC: Predicted No-Effect Concentration vPvB: very Persistent and very Bioaccumulative substance
Information added, deleted or revised	22.3.2023: Update according to Annex II of the REACH Regulation ([EU] 2020/878).
Last update date	22.03.2023
Version	1
Prepared by	Sweco Finland Oy
Comments	The information of this safety data sheet is based on existing public information sources, such as current legislation, available at the time of publication of the completed safety data sheet, and information on the Customer's products that has been provided by the Customer to Sweco. The Customer is responsible that the information provided to Sweco is accurate and up to date.