

SAFETY DATA SHEET

FF-PIR Insulation board

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 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 08.03.2016

1.1. Product identifier

Product name FF-PIR Insulation board

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

Use categories nordic (UCN). 13 Construction materials

Use of the substance/preparation Insulation board.

1.3. Details of the supplier of the safety data sheet

Importer

Company name Finnfoam Oy

Postal address Satamakatu 5

Postcode FIN-24100

City Salo

Country Finland

Tel +358 2 777 300

E-mail finnfoam@finnfoam.fi

Enterprise no. 0689386-6

1.4. Emergency telephone number

Emergency telephone Poison Information Centre (in Finland), open 24 h daily:(09) 471977 or (09) 4711
Emergency telephone number:112

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

Classification notes CLP In accordance with current regulations, this product has not been classified as hazardous.

2.2. Label elements

Other Label Information (CLP) No labeling. In accordance with current regulations, this product has not been classified as hazardous.

2.3. Other hazards

Other hazards Not known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents
Isocyanate	CAS no.: 9016-87-9	Acute tox. 4; H332 Eye Irrit. 2; H319 STOT SE3; H335 Resp. Sens. 1; H334 Skin Irrit. 2; H315	40 - 60 %

		Skin Sens. 1; H317 Carc. 2; H351 STOT RE2; H373	
Isopentane	CAS no.: 78-78-4	Flam. Liq. 1; H224 Asp. tox 1; H304 STOT SE3; H336 Aquatic Chronic 2; H411 EUH 066	1 - 5 %
Pentane	CAS no.: 109-66-0	Flam. Liq. 1; H224 Asp. tox 1; H304 STOT SE3; H336 Aquatic Chronic 2; H411 EUH 066	1 - 5 %
Tris(2-chloro-1-methylethyl) phosphate	CAS no.: 13674-84-5 Synonyms: TCPP	Acute tox. 4; H302	1 - 5 %
Description of the mixture	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 recovery position and ensure open airways. Seek medical attention.

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

Delayed symptoms and effects	None known.
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4.3. Indication of any immediate medical attention and special treatment needed

Other Information	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use fire-extinguishing media appropriate for surrounding materials.
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5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	No specific hazards.
Hazardous combustion products	Carbon dioxide (CO ₂). Carbon monoxide (CO).

5.3. Advice for firefighters

Personal protective equipment	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA).
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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. Stop leak if safe to do so. Ensure effective ventilation at the leak site.
Personal protection measures	Avoid contact with skin or eyes. Avoid inhalation of dust. Wear appropriate personal protective equipment.

6.2. Environmental precautions

Environmental precautionary measures	Not relevant.
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6.3. Methods and material for containment and cleaning up

Cleaning method	Not relevant.
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6.4. Reference to other sections

Other instructions	Safe handling: see point 7. Personal protective equipment: see point 8. Waste disposal: see point 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Ensure adequate ventilation. Avoid inhalation of dust. Avoid contact of the product with skin or eyes. Use appropriate personal protective equipment while handling the product (see point 8).
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Protective Safety Measures

Advice on general occupational hygiene	Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of workday. Private clothes and working clothes should be kept separately. Wash contaminated clothes before reuse.
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7.2. Conditions for safe storage, including any incompatibilities

Storage	No special storage precautions noted.
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Conditions for safe storage

Technical measures and storage conditions	Store in a cool, dry area.
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7.3. Specific end use(s)

Specific use(s)	None reported.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure limit values

Substance	Identification	Value	TWA Year
Isocyanates	CAS no.: 9016-87-9	15 min.: 0,035 mg/m ³	2014
Isopentane	CAS no.: 78-78-4	8-hour TWA: 500 ppm 8-hour TWA: 1500 mg/m ³ 15 min.: 630 ppm 15 min.: 1900 mg/m ³	
Pentane	CAS no.: 109-66-0	8-hour TWA: 500 ppm 8-hour TWA: 1500 mg/m ³ 15 min.: 630 ppm 15 min.: 1900 mg/m ³	

Other Information about threshold limit values	DNEL/PNEC: Chemical safety assessment has not been performed for the product, no information available about ingredients. Used substances are polymerized into solid polymer net. On the basis of several tests, final solid product does not emit hazardous substances.
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8.2. Exposure controls

Precautionary measures to prevent exposure

Technical measures to prevent exposure	Ensure adequate ventilation.
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Respiratory protection

Respiratory protection Under normal conditions of use respiration protection should not be required. 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.

Hand protection

Hand protection No specific hand protection noted, but gloves may still be advisable.

Suitable materials Contact glove manufacturer for specific advice on glove selection.

Eye / face protection

Eye protection Wear dust resistant safety goggles where there is danger of eye contact.

Skin protection

Skin protection (except hands) Wear appropriate protective clothing.

Additional skin protection measures Wash contaminated skin after exposure.

Appropriate environmental exposure control

Environmental exposure controls Prevent entry into drains, sewers, waterways or soil.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid.
Colour	Green.
Odour	Odourless.
Comments, Odour limit	Not relevant.
Comments, pH (as supplied)	Not determined.
Comments, Melting point / melting range	Not determined.
Comments, Boiling point / boiling range	Not determined.
Comments, Flash point	Not determined.
Comments, Evaporation rate	Not determined.
Flammability (solid, gas)	~ 300 °C
Comments, Explosion limit	Not determined.
Comments, Vapour pressure	Not determined.
Comments, Vapour density	Not determined.
Solubility in water	Not water-soluble.
Comments, Partition coefficient: n-octanol / water	Not determined.
Spontaneous combustability	Value: ~ 400 °C
Comments, Decomposition temperature	Not determined.
Comments, Viscosity	Not determined.
Explosive properties	Not classified as explosive.
Oxidising properties	Not classified as oxidising.

9.2. Other information

Other physical and chemical properties

Comments None reported.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Not reactive under normal use and storage conditions.

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	No recommendation given.
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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	In a fire or if overheated, harmful compounds may be formed (carbon dioxide, carbon monoxide).
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological Information:

Other toxicological data	Used substances are polymerized into solid polymer net. On the basis of tests, final solid product does not emit hazardous substances to cause adverse health effects. The product is not classified as acutely toxic.
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Potential acute effects

Skin contact	The product is not classified as irritant or corrosive to skin.
Eye contact	The product is not classified as damaging or irritating to eyes.
Aspiration hazard	The product is not classified as an aspiration hazard.

Delayed effects / repeated exposure

Sensitisation	The product is not classified as a respiratory or skin sensitiser.
STOT-single exposure	The product is not classified as toxic to specific target organs at a single exposure.
STOT-repeated exposure	The product is not classified as toxic to specific target organs at repeated exposure.

Carcinogenic, Mutagenic or Reprotoxic

Carcinogenicity	The product is not classified as a carcinogen.
Mutagenicity	The product is not classified as a mutagen.
Reproductive toxicity	The product is not classified as toxic to reproduction.

Symptoms of Exposure

Other Information	No other health effects reported.
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SECTION 12: Ecological information

12.1. Toxicity

Aquatic, comments	There is no ecotoxicological data available about the product as such.
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12.2. Persistence and degradability

Persistence and degradability	No data available.
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12.3. Bioaccumulative potential

Bioaccumulative potential	No data available.
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12.4. Mobility in soil

Mobility	No information.
Comments, Water solubility	The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

PBT assessment results	Chemical safety assessment has not been performed for the product, no information available about ingredients.
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12.6. Other adverse effects

Environmental details, summation	There is no environmental data available about the product as such. The
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	product is not classified as hazardous to the environment. Prevent entry into drains, sewers, waterways or soil.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product classified as hazardous waste	No
Other Information	Dispose of in compliance with local and national regulations.

SECTION 14: Transport information

14.1. UN number

Comments	The product is not classified for transportation.
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14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

Comments	The product is not classified as hazardous to the environment.
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14.6. Special precautions for user

Special safety precautions for user	No special safety precautions.
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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Additional information.

Additional information.	Not applicable.
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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).	H373 May cause damage to organs through prolonged or repeated exposure H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H336 May cause drowsiness or dizziness. H315 Causes skin irritation. H335 May cause respiratory irritation. H332 Harmful if inhaled. H317 May cause an allergic skin reaction. EUH 066 Repeated exposure may cause skin dryness or cracking. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H351 Suspected of causing cancer H224 Extremely flammable liquid and vapour. H411 Toxic to aquatic life with long lasting effects. H319 Causes serious eye irritation.
Training advice	Read safety data sheet.
Important data sources used to construct the safety data sheet	Product information by product manufacturer. Decree on Concentrations known to be Hazardous (268/2014) (HTP-arvot 2014)

Version	1
Responsible for safety data sheet	Finnfoam Oy