

SAFETY DATA SHEET

Product name NOVATHERM 1FR	Product No. 1110-00	Date of issue 21.08.2012	Reg. No. VI-1110-00-4	
		Issued by E.Nordenberg	Approved by B.Wettermark	
		Rev. date 23.01.2017	Rev. 2	Page 1(4)

1. Identification of the substance/preparation and of the company/undertaking**1.1 Product identifier**

Product name: **NOVATHERM 1FR**
Product number: **1110-00**

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

Chemical/technical description: *Water based intumescent paint*
Field of application: *Indoor, used to prevent spread of fire in internal wall and ceiling linings made of solid wood or chip board. For fire protection of structural timber works.*

1.3 Details of the supplier of the safety data sheet

Company: *Protega AB*
Address: *Verkstadsgatan 6B
SE-231 66 TRELLEBORG, SWEDEN*
Contact person: *Björn Wettermark and Emma Nordenberg*
Phone: *+46 410 567 80*
Fax: *+46 410 567 89*
E-mail: info@protega.se
Website: www.protega.se

1.4 Emergency telephone number

Emergency, daytime: *+ 46 410 567 80, other time: Local emergency number.*

2. Hazards identification**2.1 Classification of the substance or mixture**

The preparation is not classified as a health or environmental hazard according to CLP-Regulation (EC) No 1272/2008.

2.2 Label Elements

The product is labeled according to CLP-Regulation (EC) No 1272/2008.

2.3 Other hazards

There are no known risks.

3. Composition / information on ingredients**3.2 Compounds**

Ingredients:	CAS-No.	EG-No.	Amount %	Classification
<i>Ethanol</i>	<i>64-17-5</i>	<i>603-002-00-5</i>	<i><5%</i>	<i>Flam. Liq.2; H225</i>

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The full text of the phrases can be found in section 16.

4. First-aid measures**4.1 Description of first aid measures**

Inhalation of spray mist: *Remove to fresh air. If irritation occurs seek medical advice.*
Eye contact: *Rinse thoroughly with plenty of water. Remove contact lenses and contact a doctor if irritation persists*
Skin contact: *Remove contaminated clothing. Wash off with soap and water. Contact doctor if symptoms remains.*
Ingestion: *If product is swallowed do not induce vomiting. Rinse mouth with water. If symptoms persist, seek medical advice.*

4.2 Most important symptoms and effects, both acute and delayed

Frequent or repeated contact may degrease the skin, resulting in non-allergic contact dermatitis.

Eye contact may cause irritation

4.3 Indication of any immediate medical attention and special treatment needed

Other information *Treat symptomatically*

5. Fire-fighting measures

5.1 Extinguishing media

The product is water based and is not combustible.

5.2 Special hazards arising from the substance or mixture

Not available

5.3 Advice for fire fighters

Not available

6. Accidental release measures

6.1 Personal protections, protective equipment and emergency procedures

Avoid contact with skin and eyes. Wash clean with water.

6.2 Environmental precautions

Product and wash water are prevented from getting drains or water courses.

6.3 Methods and material for containment and cleaning up

Take up mechanically and send for recycling of paint waste, see section 13.

6.4 Reference to other sections

See Section 8 regard personal protective equipment

See section 13 regard waste management.

7. Handling and storage

7.1 Precautions for safe handling

Take normal caution to avoid skin and eye contact. Observe standard industrial hygiene practices for the handling of chemical substances. Any waste is collected and returned to the recycling of waste paint

7.2 Conditions for safe storage, including any incompatibilities

Store at a temperature of + 5 ° C. Store in a dry place in tightly closed original container.

7.3 Specific end uses

Not available

8. Exposure control / personal protection

Workplace exposure limit:

Substance:	long-term exposure		short-term exposure		Comments
	ppm	mg/m ³	ppm	mg/m ³	
Ethanol	1000	1920	-	-	-

8.2 Exposure controls

If used according to, there are no health risks. Observe the general safety and hygiene measures.

Wash and nourish the skin after work.

Respiratory protection:

Good ventilation but no special protection is required.

When spraying, use respiratory protection, half or full mask with dust filter FFP2 against spray.

Hand, skin protection:

Work clothes and suitable gloves (such as Nitrile gloves)

Eye protection:

Safety eyewear

Thermal hazard:

Non-flammable product.

Environmental exposure controls:

Avoid releases to water and drain.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: *Liquid, miscible with water, with a slight characteristic*

Colour: *Transparent*

Odour: *Mild*

Odour threshold: *Not available*

pH: *4,5*

Melting/boiling range: *Not available*

Flash point: *Not available*

Evaporation rate: *Not available*

Flammability:	<i>Non-combustible materials. Product is converted into a thick layer of foam when exposed to high temperatures during a fire. The fine pore foam layer attenuates effectively the heat flow to the substrate.</i>
Flammability limits in air:	<i>Not available</i>
Vapour pressure:	<i>Not available</i>
Vapour density:	<i>Not available</i>
Density:	<i>1320 kg/m³</i>
Solubility:	<i>Miscible with water</i>
Partition coefficient:	<i>Not available</i>
Auto-ignition temperature:	<i>Not available</i>
Decomposition temperature:	<i>Not available</i>
Viscosity:	<i>750 mPas</i>
Explosive properties:	<i>Not available</i>
Oxidising properties:	<i>Not available</i>
Volatile % (w/w):	<i>35%</i>
9.2 Other information	
<i>Physical and chemical properties</i>	<i>VOC (bp <250°): 40 g/l.</i>

10. Stability and reactivity

10.1 Reactivity

There is no test data for the reactivity of this product.

10.2 Chemical stability

The products are chemically stable and have no reactivity.

10.3 Possibility of hazardous reactions

None under normal processing

10.4 Conditions to avoid

Not available

10.5 Incompatible materials

No special restrictions

10.6 Hazardous decomposition products

No information available

11. Toxicological information

11.1 Information on toxicological effects

There are no data available on the product itself.

Acute toxicity:	<i>The product is not expected to cause any health hazard</i>
Irritation:	<i>Long term exposure may cause skin irritation. Particles from the product may cause mechanical damage and cause eye irritation. Only by inhalation of spray mist may respiratory irritation may occur.</i>
Corrosive effect:	<i>Preparation is not corrosive.</i>
Sensitisation:	<i>Not known</i>
Repeated dose toxicity:	<i>Not known</i>
Carcinogenicity:	<i>Not known</i>
Mutagenic effects:	<i>Not known</i>
Reproductive toxicity:	<i>Not known</i>
Fetal damage:	<i>Not known</i>
Other information:	<i>Not known</i>

12. Ecological information

12.1 Toxicity

Ecotoxicological data are not available for the product itself.

Do not allow the preparation to enter drains and watercourses.

12.2 Persistence and degradability	<i>Not available</i>
12.3 Bioaccumulative potential	<i>Not available</i>
12.4 Mobility in soil	<i>Not available</i>
12.5 Results of PBT and VPVB assesment	<i>Not available</i>
12.6 Other adverse effects	<i>No known significant effects or critical hazards</i>

13. Disposal considerations

13.1 Waste treatment methods

Do not allow entering drains and watercourses. Waste should be disposed of according to local regulation.

*The product is not classified as hazardous waste
EWC-codes (European Waste Catalogue): 080112*

14. Transport information

14.1 UN-number	<i>Not dangerous goods</i>
14.2 Proper shipping name	<i>Not applicable</i>
14.3 Transport hazard class(es)	<i>Product is not classified as dangerous goods.</i>
14.4 Packing group	<i>Not applicable</i>
14.5 Environmental hazards	<i>Product is not classified dangerous for the environment.</i>
14.6 Special precautions for user	<i>Transport by the user: Always transport the product in sealed package, upright. Ensure that persons transporting the product know what to do in case of an accident or spillage</i>
14.7 Transport in bulk according to Annex I of MARPOL73/78 and the IBC-kod	<i>Not applicable</i>

15. Regulatory information

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

Regulations: *The safety data sheet is prepared in according to Annex II of the REACH Regulation (EC) No. 1907/2006. Classification according to CLP-Regulation (EC) No 1272/2008*

Other notes: *WKG 1*

15.2 Chemical safety assessment:

No information available.

16. Other information

Full text of phrases appearing in section 3:

H225 Highly flammable liquid and vapour

The information in this data sheet corresponds to our present knowledge of the characteristics seen from the current regulations. The demand laid down in the local control option