

Trade name: **HR-PROF**

Last changed: 9.11.2012

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MATERIAL SAFETY DATA SHEET (MSDS)

1. IDENTIFICATION OF SUBSTANCE/MANUFACTURING / SUPPLIER

1.1 Data of substance

Trade name – HR-Prof

1.2 Code of the material: 382 490 70

1.3 Range of use

Fire retardant for wood and cellulose containing materials

1.3 Data on supplier, manufacturer

Supplier:

HR PROF OY

Address: Kuunsilta 33

Post index: 10300 Karjaa, Finland

Telephone: +358 400 495 122 / +358 44 0558 373

1.4 Emergency telephone

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2. DATA ON COMPOSITION AND INGREDIENTS

2.1 Non-hazardous ingredients

2.1.1 CAS number	2.1.2 Name	2.1.3 Contents	2.1.4 Classifications
10045-86-0	Ferric phosphate	Under 30 %	-
7732-18-5	Water		

3. HAZARDS IDENTIFICATION

Non-hazardous substance

4. FIRST AID MEASURES

4.1 Inhalation

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4.2 Skin contact

Wash off with plenty of water 10-15 min. Consult a doctor if feeling unwell; show this safety card of the label of the products

4.3 Eye contact

Rinse out with plenty of water for at least 15 minutes, holding the eyelids open. If the symptoms persist, contact a doctor.

4.4 After swallowing

Make the victim drink plenty of water, induce vomiting. Consult a doctor if feeling unwell; show this safety card of the label of the products

5. FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media

5.2 Special fire fighting measures

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6. ACCIDENTAL RELEASE MEASURES

6.1 Personal safety measures

Ventilation of working premises. Use personal protection means.

6.2 Environment protection measures

Avoid the direct hit on surface and reservoir.

6.3 Cleaning instructions

Avoid spills. Collect the chemicals. Clean the dirty surface.

7. HANDLING AND STORAGE

7.1 Handling

Handle in well-ventilated room.

7.2 Storage

Store in clean, dry, cool, ventilated and unlocked room. Keep out of reach of children.

7.3 Special usage

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8. EXPOSURE CONTROL, PERSONAL PROTECTION

8.1 Exposure control at working place

a) Respiratory protection

Use suitable means for respiratory protection whenever required: respirator with P3 filter (EN 143)

b) Hands protection

Wear rubber gloves

c) Eye protection

Wear eye or face protection means

d) Skin protection

Wear protective clothes and rubber boots

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Appearance:	liquid
Colour:	light brown
Odour:	odourless

9.2 Important health, safety and environment information

pH	2,0 +/-0,2
Boiling point	170°C
Flash point	-
Explosion risk	non explosive

Relative density	1,10 +/-0,1
Solubility in water	100 %
Solubility in fat	non-soluble
Partition coefficient octane number/water	-
Vapour density	-

9.3 Other information -

10. STABILITY AND REACTIVITY

10.1 Conditions to avoid

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10.2 Materials to avoid

Do not mix with other material

10.3 Hazardous degradation products

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11. TOXICOLOGICAL INFORMATION

11.1 Acute toxicity

11.1.1 Inhalation

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11.1.2 Skin contact

-

11.1.3 Eye contact

-

11.1.4 After swallowing

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11.2 Irritation and acidity

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11.3 Other harmful effects

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12. ECOLOGICAL INFORMATION

12.1 Ecological toxicity

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12.2 Other harmful effects

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13. DISPOSAL CONSIDERATIONS

13.1 Utilization of the product

Utilize as household waste products

14. TRANSPORT INFORMATION

14.1 UN number

14.2 Package group

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14.3 Land transport

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14.3.1	ADR class	Non classified as ADR products
14.3.2	Risk number	-
14.3.3	Name while transportation	-
14.4	Maritime transport	
14.4.1	IMDG class	-
14.4.2	Name while transportation	-
14.5	Air transport	-
14.5.1	ICOA/IATA class	-
14.5.2	Name while transportation	-

15. REGULATORY INFORMATION

15.1 Hazard identifications and their meanings

S1/2: Keep locked up and out of the reach of children

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

S51: Use only in well-ventilated areas

15.2 Legal actions

This material Safety Data Sheet (MSDS) fulfils the requirements according to EC Directives

16. OTHER INFORMATION

All the information is based on the knowledge of this product. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship.