

MATERIAL SAFETY DATA SHEET (MSDS)**SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING****1.1 Identification of the substance**Product name – **HR Prof**

Product code: 3824 9070

REACH registration number: 05-2117662331-50-0000

1.2 Range of use

Fire retardant for wood and cellulose-containing materials

1.3 Supplier (manufacturer, importer, only representative, downstream user, distributor) responsible for placing a chemical on the market in the UK;

Fire Retardant UK limited

Postcode BH20 5RW

Phone +44 1929 400881

E-mail sales@fireretardantuk.com**1.4 Emergency telephone number 999****SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

Not classified hazardous to human health and the environment.

2.2 Label elements**Label in accordance with Regulation (EC) No 1272/2008****Hazard pictogram(s)** -

Signal word -

Hazard statements

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Precautionary statements

P102 Keep out of reach of children.

P305 + P351 + P313 IF IN EYES: Rinse cautiously with water for several minutes. Get medical advice.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P309 + P311 IF exposed or if you feel unwell: Call a POISON CENTER or physician.

P271 Use only in a well-ventilated area.

2.3 Other hazards -**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Mixtures****Non-hazardous ingredients**

Name	CAS number	EC number	Contents	Classification
Ferric Phosphate <i>Water(solution)</i>	10045-86-0	233-149-7	Under 30%	67/548/EEC / 1272/2008/EU -

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation

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Skin contact

Rinse immediately with plenty of water for 10-15 minutes. If you feel unwell seek medical advice (show this safety card or the label if possible).

Eye contact

Rinse immediately with plenty of water for 10-15 minutes. If you feel unwell seek medical advice (show this safety card or the label if possible).

After swallowing

Make sure that the victim drinks plenty of water, induce vomiting. In case of feeling unwell seek medical advice (show this safety card or the label if possible).

4.2 Most important symptoms and effects, both acute and delayed

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4.3 Indication of any immediate medical attention and special treatment needed

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SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishers

Use extinguishing media suitable for surrounding materials.

Unsuitable extinguishers

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5.2 Special hazards arising from the substance or mixture

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5.3 Advice for firefighters

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ventilate the workroom sufficiently. Use personal protection.

6.2 Environment protection measures

Make sure that the product does not leak in the ground or reservoirs.

6.3 Methods and material for containment and cleaning up

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

6.4 Reference to other sections

Appropriate personal protection equipment see Section 8.
Disposal information see Section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Use only in well-ventilated areas.

7.2 Conditions for safe storage, including any incompatibilities

Store in a clean, dry, cool, ventilated and lockable room. Keep out of the reach of children.

7.3 Specific end use(s)

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters**Occupational exposure limits**

No exposure limit value known.

8.2 Exposure controls**Appropriate engineering controls**

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Individual protection measures**a) Respiratory protection**

Use suitable respiratory protection if necessary: a respirator with P3 filter (EN 143).

b) Hand protection

Wear rubber gloves

c) Eye protection

Wear eye or face protection

d) Skin protection

Wear protective clothing and rubber boots.

Environmental exposure controls

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

state:	liquid
color:	light brown
odor:	odourless

9.2 Important health, safety and environmental information

pH	2,0+/-0,2
Boiling point	170°C
Flash point	-
Explosion risk	Non-explosive
Relative density	1,10+/-0,02

Solubility

Solubility in water	100%
Solubility in fat	Non-soluble
Partition coefficient octane number/water	-
Vapour density	-
Viscosity	1,25 mPa x s

9.3 Other information

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SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Stable at normal conditions.

10.2 Chemical stability

Stable at ambient temperature and pressure.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

Stable at normal conditions.

10.5 Incompatible materials

Do not mix with other materials

10.6 Hazardous decomposition products

None known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Acute toxicity

Ingestion of less than 40mg/kg generally does not cause significant toxicity. Iron phosphate indicate toxicity category IV for acute oral toxicity, category IV for acute dermal toxicity, category III for primary eye irritation, and IV for primary dermal irritation.

No unreasonable adverse effects to human health are expected from the use of iron phosphate.

11.2 Irritating and corrosive effects

A single skin contact does not cause any damage, if the substance is immediately rinsed away. Repeated exposure may cause skin irritation.

In case of contact with eyes, rinse immediately with plenty of water.

11.3 Other harmful effect

Data not available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Not classified hazardous to the environment.

12.2 Persistence and degradability

Data not available.

12.3 Bioaccumulative potential

Non-accumulative.

12.4 Mobility in soil

Data not available.

12.5 Results of PBT and vPvB assessment

Mixture does not contain PBT or vPvB substances.

12.6 Other adverse effects

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Utilization of the product

Utilize as household waste products, code of list of waste is 20 01 99 (EU decisions 2014/955).

Wood treated by HR Prof utilize as construction and demolition wastes, code of list of waste is 17 02 01 (EU decisions 2014/955).

Dispose according to national disposal considerations and all local regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

14.2 Package group Not available

14.3 Land transport

14.3.1 ADR class Not classified as an ADR product

14.3.2 Hazard label number -

14.3.3 The shipping name of the cargo Not applicable

14.4 Sea transport

14.4.1 IMDG class -

14.4.2 The shipping name of the cargo Not applicable

14.5 Air transport

14.5.1 ICAO/IATA class -

14.5.2 The shipping name of the cargo Not applicable

14.6 Special precautions for user

Not available.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: REGULATORY INFORMATION

15.1 Legal actions

Regulation No. (EC) 1907/2006 (REACH).

Regulation No. (EU) 453/2010 (amending Annex II of REACH).

Dangerous Substances Directive 67/548/EEC.

Dangerous Preparations Directive 1999/45/EC.

Regulation No. (EC) 1272/2008 (CLP).

15.2 Chemical Safety Assessment

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SECTION 16: OTHER INFORMATION

16.1 Information that has changed from previously issued version

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16.2 R phrases, hazard statements, S phrases and/or precautionary statements

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16.3 Other Information

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