

FIRECHIEF FLAME RETARDANT FLUID

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: FLAME RETARDANT FLUID
Product code: 111-1030 (FRS1) / 111-1032 (FRS2)

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

For use as a surface coating (via spray) for fabrics to provide fire retardant properties.

1.3 Details of the supplier of the safety data sheet

Company name: Firechief Global
3 Lands End Way
OAKHAM Rutland
LE15 6RB
Emails address: sales@firechiefglobal.com
Emergency telephone number
Emergency tel: +44 (0)330 999 0019 (office hours 08:00 - 17:00)

Section 2. Hazards Identification

2.1 Classification of the substance or mixture

Classification under CLP: -: EUH210
Most important adverse effects: Safety data sheet available on request.

2.2 Label elements:

Hazard statements: EUH210: Safety data sheet available on request.
Precautionary statements: P280: Wear eye protection.

2.3 Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3. Composition/information on ingredients

3.1 Mixtures

Hazardous ingredients:
POTASSIUM BORATE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
603-184-6	12712-38-8	-	Repr. 1B: H360FD	1-5%

Section 4. First aid measures

4.1 Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

Delayed / immediate effects: Delayed effects can be expected after long-term exposure.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Not applicable.

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Section 5. Fire-fighting measures

5.1 Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2 Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3 Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Evacuate the area immediately.

6.2 Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding. Alert the neighbourhood to the presence of fumes or gas.

6.3 Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

6.4 Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7. Handling and storage

7.1 Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

7.3 Specific end use(s)

Specific end use(s): No data available.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2 Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Impermeable gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.



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Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

State:	Liquid	Melting point/range°C:	0
Colour:	Colourless	upper:	Not applicable.
Odour:	Barely perceptible odour	Part.coeff. n-octanol/water:	No data available.
Evaporation rate:	Slow	Vapour pressure:	Not applicable.
Oxidising:	Not applicable.	pH:	10
Solubility in water:	Soluble		
Viscosity:	Non-viscous		
Boiling point/range°C:	100		
Flammability limits %:	lower: Not applicable.		
Flash point°C:	Not applicable.		
Autoflammability°C:	Not applicable.		
Relative density:	1.105		
VOC g/l:	Not applicable.		

9.2 Other information

Other information: No data available.

Section 10. Stability and reactivity

10.1 Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2 Chemical stability

Chemical stability: Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to avoid

Conditions to avoid: Heat. Hot surfaces. Flames.

10.5 Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6 Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11. Toxicological information

11.1 Information on toxicological effects

Toxicity values: No data available.

11.2 Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

Delayed / immediate effects: Delayed effects can be expected after long-term exposure.



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Section 12. Ecological information

12.1 Toxicity

Ecotoxicity values: No data available.

12.2 Persistence and degradability

Persistence and degradability: Biodegradable.

12.3 Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4 Mobility in soil

Mobility: Readily absorbed into soil.

12.5 Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6 Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13. Disposal considerations

13.1 Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14. Transport information

Transport class: This product does not require a classification for transport.

Section 15. Regulatory information

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

Specific regulations: Not applicable.

15.2 Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16. Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

* indicates text in the SDS which has changed since the last revision. Restricted to professional users

Phrases used in s.2 and s.3: EUH210: Safety data sheet available on request. H360FD: May damage fertility. May damage the unborn child.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

