

WATER FIRE EXTINGUISHER PRESSURISED WITH NITROGEN

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

1.1 Product identifier

Product name: Water fire extinguisher pressurised with Nitrogen
Product code:

1.2 Product use: Fire Extinguisher

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

1.4 Emergency telephone number

Emergency tel: +44 (0)330 999 0019 (office hours 08:00 - 17:00)

Section 2. Hazards identification of contents

2.1 Classification of the substance or mixture

Hazard Class and Category Code - Regulation EC 1272/2008 (CLP)

Not classified as hazardous

Classification EC 67/548 or EC 1999/45/CE

Not included in Annex VI.

Not classified as dangerous preparation/substance.

No EC labelling required.

2.2 Label element

Labelling Regulation EC 1272/2008 (CLP)

- **Hazard pictograms code:** None
- **Signal word:** None
- **Hazard statements :** None
- **Precautionary statements**
 - **Storage:** P403 - Store in a well-ventilated place.
 - **Labelling EC 67/548 or EC 1999/45**
 - **Symbol(s):** None.
 - **R Phrase(s):** None.
 - **S Phrase(s):** None.

2.3 Other hazards Asphyxiant in high concentrations.

Section 3. Composition/information on propellant components

Substance / Preparation: Substance.

Substance name	Contents	CAS No	EC No	Index No	Regulation No	Classification
Nitrogen	Propellant	7727-37-9	231-783-9	-	Note1	Not classified (DSD/DPD)
Water	100%	732-18-5	Not given	-	-	Not classified

Contains no other components or impurities which will influence the classification of the product.

Note 1: Listed in Annex IV / V REACH, exempted from registration.

Full text of R-phrases see chapter 16

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Section 4. First aid measure

4.1 First aid measure

Inhalation: In high concentrations may cause asphyxiation. Symptoms may include loss of mobility/consciousness. Victim may not be aware of asphyxiation. Remove victim to uncontaminated area wearing self contained breathing apparatus. Keep victim warm and rested. Call doctor. Apply artificial respiration if breathing stopped.

Skin contact: Wash thoroughly with soap and water and rinse thoroughly

Eyes contact: Wash with plenty of water for several minutes, holding the eyelids apart and seek medical.

Ingestion: If symptoms persist, consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

The use of a fire extinguisher in enclosed areas may cause asphyxiation. Symptoms may include loss of mobility / consciousness.

4.3 Indication of any immediate medical attention and special treatment

Seek emergency medical attention.

Section 5. First aid measure

5.1 Extinguishing

Extinguishing
- Suitable extinguishing agents: You can use all known extinguishing agents.
- Unsuitable extinguishing: Water.

5.2 Special hazards arising from the substance or mixture

Special hazards: None
Hazardous Combustion Products: No

5.3 Advice for firefighters

Special method: Move away from the container and cool with water from a protected position. Do not pour contaminated fire water into drains.

Special protective equipment for fire: firefighters In confined space use self-contained breathing apparatus.

Section 6. Accidental release measures

6.1 Personal precautions

Evacuate area.
Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe.
Ensure adequate air ventilation

6.2 Environmental precautions

Try to stop release.

6.3 Clean up methods

Ventilate area.

6.4 Reference to other sections

See also sections 8 and 13.



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Section 7. Handling and storage

7.1 Precautions for safe handling

Use of the product: The product should be handled in accordance with good safety practices.
Handling and use of fire extinguishers: Squeeze the lever and direct the spray at the base of the flames.
Protect cylinders from physical damage; do not drag, roll, slide or drop.
The maintenance and repair of the fire extinguisher must be carried out by qualified personnel in accordance with relevant regulations.
Do not remove or deface labels provided by the supplier for the identification of the contents of the extinguisher.

7.2 Safe storage

Keep container below 60° C in a well ventilated area.

7.3 Specific use

To be used as a fire extinguisher

Section 8. Exposure controls/personal protection

8.1 Check parameters

DNEL Derived no effect level: No data available.
PNEC Predictably no-effect: concentration No data available.

8.2 Exposure controls

8.2.1. Appropriate engineering controls: Store in a well ventilated environment.
Periodically check that the fire extinguisher is pressurised.
Extinguisher maintenance and testing must be performed by qualified personnel in accordance with local regulations.

8.2.2. Individual protection measure: Individual protection measures, eg. personal protective equipment:
As the fire extinguisher an emergency device, there are no individual protection to be worn previously. If possible, prior to use, wear protective gloves, goggles with side protection and a dust mask.

8.2.3. Environmental exposure controls None required if good ventilation performed after use.

Section 9. Physical and chemical properties

For the chemical and physical properties of the foam, refer to the safety data sheet of the manufacturer.

9.1 Propellant: physical and chemical basic information

Physical state	Colorless liquid
pH at 20° C	7
Boiling Point	100° C at 760 mm Hg
Odor	Odorless
Flammability	Non flammable
Solubility	Miscible in all proportions
Specific gravity	1.0
Special fire fighting procedures	None. This is an extinguishing agent
Unusual fire and explosion hazards	None

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Section 10. Stability and reactivity of the propellant

Regarding data of stability and reactivity of the foam, refer to the safety data sheet of the manufacturer.

10.1 Reactivity	There are no reactivity hazard other than those described in the paragraphs below.
10.2 Chemical stability	Stable in normal condition.
10.3 Hazardous reactions	No
10.4 Conditions to avoid	None under recommended storage and handling conditions (see section 7). Avoid leakage. Avoid the accumulation of product in enclosed spaces.
10.5 Incompatible materials	None
10.6 Hazardous decomposition products	No.

Section 11. Propellant: toxicological information

For toxicological information of the foam, refer to the safety data sheet of the manufacturer.

11.1 Information about toxicological effects

Acute toxicity:	This product has no known toxicological effects.
Skin corrosion / irritation:	No known effects from this product.
Damage / eye irritation:	No known effects from this product
Respiratory or skin sensitization :	No known effects from this product
Carcinogenicity:	No known effects from this product
Mutagenicity:	No known effects from this product
Reproductive toxicity:	No known effects from this product
Specific target organ toxicity (STOT): single exposition	No known effects from this product
Specific organ toxicity: repeated exposition	No known effects from this product
Aspiration hazard:	Not applicable for gases and gas mixtures.

Section 12. Propellant ecological information

For ecological information of the foam, refer to the safety data sheet of the manufacturer.

12.1 Toxicity	No known ecological damage caused by this product.
12.2 Persistence and degradability	Data not available.
12.3 Bioaccumulation potential	Data not available.
12.4 Mobility in soil	Data not available.
12.5 Results of PBT and vPvB	Not classified as PBT o vPvB.
12.6 Other adverse effects	
Effect on ozone layer:	None
Effects on global warming:	None



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Section 13. Propellant: disposal considerations

- 13.1 Waste treatment methods** Dispose in line with local authority regulations. Cylinders should be recycled.
- 13.2 Other information** None

Section 14. Transport information

UN number: 1044 – class 2.2 – fire extinguisher
Labelling ADR, IMDG, IATA

Section 15. Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- EU Regulations
Restrictions on Use: None.
Seveso regulations 96/82/CE: Not included.
National regulation Ensure all national/local regulations are observed..
- 15.2 Chemical Safety Assessment** This product is not necessary to carry out a chemical safety assessment (CSA).

Section 16. Other information

The fire extinguisher is not classified as a substance or item in accordance with Regulation (EC) no. 1907/2006 EC. So they must be considered as articles, no substance is intended to be released during handling. Therefore there is no obligation to provide a safety data sheet SDS as required by Article (EC) no. 1907/2006 EC, Article 31.

DISCLAIMER OF LIABILITY:

This Safety Data Sheet has been compiled in according with the respective SDS data sheets of propellant and foam. Whilst proper care has been taken in the preparation of this document, no liability for injury or damage resulting from its use can be accepted. Details given in this document are believed to be correct at the time of going to press. Before using this product in any new process or experiment, a thorough material compatibility and safety study should be carried out.