

SAFETY DATA SHEET

According to the REACH Regulations (EC) 1907/2006
amended by Regulation (EU) 2020/878



SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 PRODUCT IDENTIFIER

Product name: Water Fire Extinguishers (pressurised with nitrogen)
Product code: FPW6S, FPW9S, PXW6, PXW9 and other water only models

1.2 RELEVANT IDENTIFIED USES OF SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

1.2.1 Relevant identified uses

Use of substance / mixture: Firefighting agent
Function or use category: Class A Firefighting

1.2.2 Uses advised against

Not for human or animal ingestion or drug use. Do not use for fires involving class B, C, D or F risk. Not for use for fires involving Lithium-Ion batteries.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Supplier: TG Products
Street: Unit 5, Duttons Way, Shadsworth Business Park
Postal City/Postal Code/Country: Blackburn, BB1 2QR, United Kingdom
Company telephone: +44 (0) 1254 924924 (08.30-17.00 Monday- Friday)
Website / Email: www.thomas-glover.co.uk / sales@thomas-glover.co.uk
National Contact: UKREACHCA@hse.gov.uk

1.4 EMERGENCY TELEPHONE NUMBER

Emergency telephone number(s): TG Products +44 (0) 1254 924924 (08.30-17.00 Monday- Friday)
United Kingdom: Contact The National Poisons Information Service 24-hour service in UK) 0344 892 0111
NHS 111 in England: 111, NHS 24 in Scotland: 111
NHS Direct in Wales: 111 or 0845 4647,
Ireland: contact NPIC on (01) 809 2166 (8 am to 10 pm)

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF SUBSTANCE OR MIXTURE:

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

Contents not classified as hazardous.

When pressurised with Nitrogen:

Water

H280: Contains gas under pressure; may explode if heated.

Note: Pressure relief device fitted to TG Products listed models to reduce this risk.

2.2 LABEL ELEMENTS

Labelling according to Regulation (EC) No. 1272/2008 (CLP).

Note: The table below shows the labelling elements associated with classification in accordance with CLP but not required on extinguisher labelling. See Eurofeu.org Position Paper (Sept 2015) concerning non-CLP labelling of Fire Extinguishers.

Hazard Pictograms	
Pictogram Code	GHS04 Gases Under Pressure (*)
Signal Word	WARNING
Hazard Statements	
Physical Hazards	H280: Contains gas under pressure; may explode if heated. (*)
Health Hazards	
Environmental Hazards	
Combinations	
Precautionary Statements	
General	
Prevention	
Response	
Storage	P410 + P403 Protect from sunlight. Store in well-ventilated place (*)
Disposal	

(*) only applies when extinguisher is pressurised

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2.3 OTHER HAZARD

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII.

Composition Comments:

The data shown is in accordance with the latest EC Directives.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 SUBSTANCES

Content classified as a substance.

(*) only applies when extinguisher is pressurised with propellant.

Full text of H-Statements: See sections 2 and 16.

Chemical Name	Registration No.	Index No.	CAS No.	EC No.	Content (% wt.)	Classification
Water	Exempt	N/A	7732-18-5	231-791-2	100	Not classified
Nitrogen (*)	Exempt	N/A	7727-37-9	231-783-9	Propellant	Not classified

3.2 MIXTURES

Not applicable

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

General Information:

No serious adverse effects are anticipated. If seeking medical advice show this SDS to the medical professional.

First aid measures after **inhalation**:

Not anticipated. Remove exposed person to fresh air, keep warm and at rest.

First aid measures after **skin contact**:

Not anticipated. If irritation occurs, then wash affected skin with plenty of soap and water. Get medical attention if irritation persists after washing.

First aid measures after **eye contact**:

Not anticipated. If necessary, wash with plenty of water for several minutes, holding the eyelids apart and seek medical.

First aid measures after **Ingestion**:

There are no known adverse effects for small quantities and hence first aid measures are not usually required. For larger quantities, wash mouth out with water and give water to drink. Do not induce vomiting. If gastrointestinal symptoms occur, then seek medical advice.

Medical conditions possibly **aggravated by exposure**:

None

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Symptoms/effects:

When used of a fire extinguisher in enclosed environments it may cause asphyxiation. Symptoms may include loss of mobility / consciousness.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Notes for the doctor:

Seek emergency medical attention.

Treat symptomatically, no special antidote required.

SECTION 5: FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Substance is an extinguishing media and therefore non-flammable / non-combustible.

Use extinguishing media appropriate for surrounding fire and materials involved.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Substance is non-combustible.

5.3 ADVICE FOR FIRE FIGHTERS

Precautionary measures fire:

Evacuate area. Pressurized containers may rupture or burst when exposed to heat of a fire. If fire extinguisher exposed to fire cool with water from a safe distance. Do not dispose of contaminated water into drains.

Firefighting instructions:

Exercise caution when fighting any chemical fire.

Protection during firefighting:

Do not enter fire area without proper protective equipment, including respiratory protection, especially in confined spaces. Use water spray or fog for cooling containers exposed to fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

General measures:

Do not handle until all safety precautions have been read and understood.

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Protective equipment:

Evacuate area. Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe. Ensure adequate air ventilation. See section 8 for PPE requirements.

6.2 ENVIRONMENTAL PRECAUTIONS

Contents not regarded as dangerous for the environment.
Do not dispose into drains if contents contaminated.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Method for cleaning up:

Small Spillages: Wipe up with an absorbent cloth and dispose of waste safely. Large Spillages: Use mop, squeegee or absorbent to clean the area. Take care as floors and other surfaces may become slippery. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer

Other information:

If product is contaminated, use PPE and containment appropriate to the nature of the most toxic chemical/material in the mixture. Dispose of materials or solids residues at an authorised site.

6.4 REFERENCE TO OTHER SECTIONS

For further information refer to sections 8 (PPE) and 13 (Disposal)

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Precautions for safe handling:

The product should be handled following good safety practices.

The product should be installed and maintained in accordance with applicable standards and manufacturer's instructions.

Do not block access to fire equipment or fire points.

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 competent personnel in accordance with relevant regulations. Do not remove labels or deface instructions shown on the product. Inspect regularly.

Handling and operation:

Follow operational instructions on label. Remove safety pin, squeeze the lever and aim agent at the base of the flames.

For use only on class A fires.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Technical measures:

Comply with applicable local or national regulations.

Storage conditions:

Store only in original packaging until commissioned and installed as fire extinguisher.

Do not mix with other extinguishing agents.

Incompatible products:

Contents incompatible with strong acids and strong alkalis.

Storage temperature:

+5°C to + 60°C. Protect from frost.

Storage area:

Contents under pressure – inspect for extinguisher rust or damage periodically to ensure container integrity.

Pressurized extinguishers should be properly stored and secured to prevent falling or being knocked over.

7.3 SPECIFIC END USES (S)

Only to be used as a fire extinguisher.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

8.1.1 National occupational exposure & biological limit values

No additional information available

8.1.2 Recommended monitoring procedures

No additional information available.

8.1.3 Air contaminants formed

No additional information available.

8.1.4 DNEL and PNEC

No additional information available.

8.1.5 Control banding

No additional information available.

8.2 EXPOSURE CONTROLS

8.2.1 Appropriate engineering controls

Appropriate engineering controls:

Store in a well-ventilated environment. Periodically check that the fire extinguisher is pressurised (pointer in green zone). Extinguisher maintenance and testing must be performed by qualified competent personnel in accordance with local regulations.

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8.2.2 Personal protective equipment

Personal protective equipment:

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

Personal protective equipment symbol(s).



8.2.3. ENVIRONMENTAL EXPOSURE CONTROLS

 None required if good ventilation performed after use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Extinguishing agent – Water	
Physical state	Liquid
Colour	Colourless
Odour	Odourless
pH	Approx 7
Melting point/freezing point °C	0
Boiling Point °C	100
Flash Point °C	Not applicable
Autoignition temperature °C	Not applicable
Decomposition temperature °C	100
Flammability	Not applicable
Vapour pressure at 20°C (kPa)	2.3
Relative vapour pressure at 20°C (kPa)	2.37
Density g/cm ³ at 20°C	Approx. 1.0
Solubility	Miscible with water
Partition coefficient n-octanol/water (log Kow)	Not applicable
Kinematic viscosity at 20°C (mm ² /s)	1.0
Explosive limits	Not considered to be explosive.

Information on basic physical and chemical properties – propellant (*) only applies when pressurised

Propellant – Nitrogen (*)	
Physical state	Gas
Appearance	Colourless
Odour:	Odourless
pH	Not applicable
Melting Point	Not applicable
Density g/cm ³ at 20°C	Approx 0.0013
Flash Point (°C)	Non-flammable
Explosive of Oxidizing Properties	None
Water Solubility (g/l)	N/A
Flammability Range (Vol% In Air):	Non-flammable

9.2 OTHER INFORMATION

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY

The following materials may react with the product content (substance)
Strong acids. Strong alkalis.

10.2 CHEMICAL STABILITY

Stable at normal ambient temperatures and when used as recommended.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reactions known to occur under normal conditions of use.

10.4 CONDITIONS TO AVOID

Avoid exposure to high temperatures or direct sunlight. Avoid freezing.

10.5 INCOMPATIBLE MATERIALS

The following materials may react with the product content:
Strong acids, Strong alkalis.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

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Acute toxicity (oral) LD-50	>90,000 mg/kg (rat)
Acute toxicity (dermal) LD-50	Not available
Acute toxicity (inhalation) LC-50	No known effects from this product.
Skin corrosion / irritation	No known effects from this product.
Serious eye damage / irritation	No known effects from this product.
Respiratory or skin sensitisation	No known effects from this product.
Ingestion	No known effects from this product.
Germ cell mutagenicity	No known effects from this product.
Carcinogenicity	No known effects from this product.
Reproductive toxicity	No known effects from this product.
STOT-single exposure	No known effects from this product.
STOT-repeated exposure	No known effects from this product.
Aspiration hazard	Not applicable

11.2 INFORMATION ON LIKELY ROUTES OF EXPOSURE

No data available

11.3 OTHER INFORMATION

No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY

No known ecological damage caused by this product.

12.2 PERSISTENCE AND DEGRADABILITY

Data not available.

12.3 BIOACCUMULATIVE POTENTIAL

Data not available.

12.4 MOBILITY IN SOIL

Mobile

12.5 RESULTS OF PBT AND VPVB ASSESSMENT

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 ENDOCRINE DISRUPTING PROPERTIES

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria. No components are included in the EU candidate list of substances of very high concern (SVHCs).

12.7 OTHER ADVERSE EFFECTS

No adverse effects expected if regulations and advice for storage and handling is observed.

SECTION 13: DISPOSABLE INFORMATION

13.1 WATER TREATMENT METHODS

General information

This product is not classified as hazardous waste under the EC Directive 2008/98/EC or as hazardous waste under the Hazardous Waste (England and Wales) Regulations SI 2005 No.894. Dispose of according to national / regional legislation. Dispose of waste product or used containers in accordance with local regulations

Disposal methods

The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer. Disposal of this product, process solutions, residues and by products should always comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements site handling site for recycling or disposal.

SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / IMDG / IATA / ADN / RID / (* only as pressurised extinguishers)

14.1 UN NUMBER OR ID NUMBER (*)

UN-No. (ADR):	UN1044
UN-No. (IMDG):	UN1044
UN-No. (IATA):	UN1044
UN-No. (ADN):	UN1044
UN-No. (RID):	UN1044

14.2 UN PROPER SHIPPING NAMES (*)

Proper shipping names. (ADR):	Fire Extinguishers
Proper shipping names. (IMDG):	Fire Extinguishers
Proper shipping names. (IATA):	Fire Extinguishers
Proper shipping names. (ADN):	Fire Extinguishers
Proper shipping names. (RID):	Fire Extinguishers

14.3 TRANSPORT HAZARD CLASS(ES) (*)

ADR – Transport hazard class(es):	2.2
IMDG – Transport hazard class(es):	2.2
IATA – Transport hazard class(es):	2.2
ADN – Transport hazard class(es):	2.2
RID – Transport hazard class(es):	2.2

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14.4 PACKING GROUP (*)

Packing group ADR:	Not applicable
Packing group IMDG:	Not applicable
Packing group IATA:	Not applicable
Packing group ADN:	Not applicable
Packing group RID:	Not applicable

14.5 ENVIRONMENTAL HAZARDS

Dangerous for the environment:	No
Marine pollutant:	No
Other information:	No supplementary information available

14.6 SPECIAL PRECAUTIONS FOR USER

Overland transport:	Consult current ADR Regulations prior to shipping by road
Transport by sea:	Consult current IMDG Regulations prior to shipping by sea
Air transport:	Consult current IATA Regulations prior to shipping by air
Inland waterway transport:	Consult current ADN Regulations prior to shipping by inland waterway
Rail transport:	Consult current ADR Regulations prior to shipping by rail

14.7 MARITIME TRANSPORT IN BULK CONTAINER TO IMO INSTRUMENTS

Consult current IMO Regulations prior to shipping by sea

SECTION 15: REGULATORY INFORMATION

15.1 HEALTH, AND ENVIRONMENTAL REGULATIONS / LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

15.1.1 EU Regulations

REACH Annex XVII (Restrictions List):	Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)
REACH Annex XIV (Authorisations List):	Contains no substance(s) listed on REACH Annex XIV (Authorisations List)
REACH Candidate List (SVHC):	Contains no substance(s) listed on REACH Candidate List.
PIC Regulation List (Prior Informed Consent):	Contains no substance(s) listed on PIC list (Regulation EU649/2012 concerning the export and import of hazardous chemicals).
POC Regulation List (Persistent Organic Pollutants):	Contains no substance(s) listed on POP list (Regulation EU2019/1021 concerning persistent organic pollutants).
Ozone Regulation (1005/2009):	Contains no substance(s) listed on Ozone Depletion list (Regulation EU 1005/2009) concerning substances that deplete the ozone layer).
Explosives Precursors Regulation (2019/1148):	Contains no substance(s) listed on Explosives Precursors list (EU Regulation 2019/1148 concerning marketing and use of explosive precursors).
Drug Precursors Regulation (273/2004):	Contains no substance(s) listed on Drug Precursors list (EU Regulation 273/2004 on the manufacture and the placing on the market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances).
Seveso regulations 96/82/CE:	Not included
National regulation	Ensure compliance with national or local regulations as applicable.

15.2 CHEMICAL SAFETY ASSESSMENT

No chemical safety assessment has been carried out by the supplier.

SECTION 16: OTHER INFORMATION

LEGEND / Abbreviations and acronyms.

ADN	European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement Concerning the International Carriage of Dangerous Goods by Road
CAS	Chemical Abstract Service Number
CLP	Classification Labelling Packaging Regulation: Regulation (EC) No. 1272/2008 (as amended)
DNEL	Derived-No Effect Level
EC	European Community number
EN	European standard
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
IATA	International Air Transport Association Dangerous Goods Regulations
IMDG	International Maritime Code for Dangerous Goods
LoW	List of Waste
IMO	International Maritime Organization
PBT	Persistent Bio Accumulative Toxic
PNEC	Predicted No Effect Concentration.
PNEL	Predicted No Effect Level
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulations (EC Regulation 1907/2006)

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RID
SDS
vPvB
WGK
STOT

Regulation Concerning the International Transport of Dangerous Goods by Rail
Safety Data Sheet
Very Persistent and Very Bio Accumulative
Water Hazard Class
Specific Target Organ Toxicity

KEY LITERATURE REFERENCES AND SOURCES FOR DATA

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) AS AMENDED. REGULATION (EC) 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL AS AMENDED. DATA FROM MANUFACTURERS OF THE SUBSTANCE/MIXTURE, IF AVAILABLE FROM INGREDIENT SUPPLIERS AND REGISTRATION DOSSIERS.

OTHER INFORMATION:

The fire extinguisher is not classified as a substance or item in accordance with Regulation (EC) no. 1907/2006 EC. Therefore, 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: The information contained in the present sheet is based on our own knowledge and believed accurate and reliable. This information is based on current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This information in this safety data sheet applies to the specific products (mentioned section 1) and not necessarily correct for use with other chemicals/products.

Full text of H- and EUH-statements – See Section 2

H280

Contains gas under pressure; may explode if heated

END OF SDS