

SAFETY DATA SHEET

# Water extinguisher

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

### 1.1. Product identifier

<i>Trade name:</i>	Water extinguisher
▼ <i>Product no.:</i>	600183-60, 600183, 600187-60, 600187, 600199-60, 600199, 600260-60, 600260, 600261-60, 600261, 600265, 600265-60, 600266, 600266-60, 600157, 600294, 600293, 600297, 600298, 600146, 600355
<i>Other means of identification:</i>	EC No.: 231-791-2 CAS No.: 7732-18-5

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

<i>Relevant identified uses of the substance or mixture:</i>	Brandsläckning klass-A bränder
<i>Uses advised against :</i>	None known.

### 1.3. Details of the supplier of the safety data sheet

<i>Company and address:</i>	<b>GPBM Nordic AB</b> Sörredsvägen 113 SE-41878 Göteborg
<i>Contact person:</i>	Frank Willy Ottesen
<i>Revision:</i>	30/04/2025
<i>SDS Version:</i>	7.0
<i>Date of previous version:</i>	13/03/2025 (6.0)

### 1.4. Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)  
 General public:  
 England - Dial 111 to reach NHS 111 (24 hour service)  
 Scotland - Dial 112 to reach NHS 24 (24 hour service)  
 Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)  
 See section 4 "First aid measures".  
 112 - European emergency number (24/7, anywhere in the EU) to reach emergency medical services or the fire brigade

## SECTION 2: HAZARDS IDENTIFICATION

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

### 2.1. Classification of the substance or mixture

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

Press. Gas (Comp.) ; H280, Contains gas under pressure; may explode if heated.

## 2.2. Label elements

*Hazard pictogram(s):*



*Signal word:*

Warning

*Hazard statement(s):*

Contains gas under pressure; may explode if heated. (H280)

*Precautionary statement(s):*

*General:*

-

*Prevention:*

-

*Response:*

-

*Storage:*

Protect from sunlight. Store in a well-ventilated place. (P410+P403)

*Disposal:*

-

▼ *Hazardous substances:*

Does not contain any substances required to report

*Additional labelling:*

Not applicable.

## 2.3. Other hazards

*Additional warnings:*

In the event of leaks, high concentrations of gases can quickly form. They can be toxic, asphyxiating, or explosive. This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Product/substance	Identifiers	% w/w	Classification	Note
Water	CAS No.: 7732-18-5 EC No.: 231-791-2 UK-REACH: Index No.:	100 %		

### 3.2. Mixtures

Not applicable. This product is a substance.

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

## Other information

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## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

<i>General information:</i>	In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.
<i>Inhalation:</i>	Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.
<i>Skin contact:</i>	Exposure is not likely due to the physical state of the product (gas).
<i>Eye contact:</i>	If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.
<i>Ingestion:</i>	Exposure is not likely due to the physical state of the product (gas).
<i>Burns:</i>	Rinse with water until pain stops then continue to rinse for 30 minutes.

### 4.2. Most important symptoms and effects, both acute and delayed

Frostbite can occur if the gas is released quickly.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### Information to medics

Bring this safety data sheet or the label from this product.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Irrelevant. The product is an extinguishing agent.

### 5.2. Special hazards arising from the substance or mixture

Contains gas under pressure; may explode if heated.

Given that it does not present a risk gas supplies shall be disrupted immediately. Removal of pressurized containers or attempting to cool with water shall be entrusted the fire brigade.

### 5.3. ▼ Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

Hazchem Code: None

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Accidental releases always pose a serious risk of fire or explosion.

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

Disconnect the gas supply provided it does not present a risk. Avoid breathing fumes. Make sure to have a self-contained breathing apparatus available and ready-to-use in the event of an emergency.

### 6.2. Environmental precautions

In the event of leakage to the surroundings, contact local environmental authorities.

### 6.3. Methods and material for containment and cleaning up

Disconnect the gas supply. Allow liquefied gas to evaporate and dilute into safe concentration levels in the surrounding atmosphere. If necessary control the dilution of the gas with a mist of water. Ventilate rooms in order to remove the gas.

### 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

### 7.2. Conditions for safe storage, including any incompatibilities

Vapours may propagate along the floor. Prevent the forming of flammable or explosive vapour concentrations by applying sufficient ventilation. Do not use this product in close proximity to sources of ignition.

Protect electrical equipment in accordance with current standards. To divert static electricity during transmission, containers must be grounded and connected by wire with the receiving containers. Do not use spark-forming tools.

Pressurized gas packs (spray cans, aerosol cans) must be stored behind a wire mesh, which allows gases to escape and holds back packs flying around.

*Recommended storage material:* Always store in containers of the same material as the original container.

*Storage conditions:* < 50°C

*Incompatible materials:* Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

No substances are listed in the national list of substances with an occupational exposure limit.

#### DNEL

No data available.

#### PNEC

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

No data available.

## 8.2. Exposure controls

Apply general control to prevent unnecessary exposure

*General recommendations:* Smoking, drinking and consumption of food is not allowed in the work area.

*Exposure scenarios:* There are no exposure scenarios implemented for this product.

*Exposure limits:* Occupational exposure limits have not been defined for the substances in this product.

*Appropriate technical measures:* Adequate ventilation must be ensured for all gases. Where natural ventilation is not possible (cellar rooms), artificial ventilation must be installed. It is advantageous to store it in a lattice shed outdoors, as ventilation is no longer necessary in this case.

*Hygiene measures:* In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

*Measures to avoid environmental exposure:* No special when used as intended.

## Individual protection measures, such as personal protective equipment

*Generally:* Use only UKCA marked protective equipment.

### Respiratory Equipment:

Work situation	Type	Class	Colour	Standards	
In case of inadequate ventilation	Supplied-air respirator.				

### Skin protection:

Recommended	Type/Category	Standards	

### Hand protection:

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Gloves	-	-	EN374	

### Eye protection:

Type	Standards	
Safety glasses	EN166	

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<i>Physical state:</i>	Gas
<i>Colour:</i>	Colourless
<i>Odour / Odour threshold:</i>	None
<i>pH:</i>	Does not apply to gases.
<i>Density (g/cm<sup>3</sup>):</i>	Does not apply to gases.
<i>Relative density:</i>	Does not apply to gases.
<i>Kinematic viscosity:</i>	Does not apply to gases.
<i>Particle characteristics:</i>	Does not apply to gases.

### Phase changes

<i>Melting point/Freezing point (°C):</i>	Does not apply to gases.
<i>Softening point/range (°C):</i>	Does not apply to gases.
<i>Boiling point (°C):</i>	Does not apply to gases.
<i>Vapour pressure:</i>	No data available.
<i>Relative vapour density:</i>	No data available.
<i>Decomposition temperature (°C):</i>	No data available.

### Data on fire and explosion hazards

<i>Flash point (°C):</i>	Does not apply to gases.
<i>Flammability (°C):</i>	No data available.
<i>Auto-ignition temperature (°C):</i>	No data available.
<i>Lower and upper explosion limit (% v/v):</i>	No data available.

### Solubility

<i>Solubility in water:</i>	No data available.
<i>n-octanol/water coefficient (LogKow):</i>	No data available.
<i>Solubility in fat (g/L):</i>	No data available.

### 9.2. Other information

<i>Oxidizing properties:</i>	Not oxidizing.
<i>Other physical and chemical parameters:</i>	Working pressure: 12 bar

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

Mechanical influences (e.g. Shock, pressure, impact, friction). Fire, sparks or other ignition sources.

#### **10.5. Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

#### **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 hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law**

#### **Acute toxicity**

Based on available data, the classification criteria are not met.

#### **Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

#### **Serious eye damage/irritation**

Based on available data, the classification criteria are not met.

#### **Respiratory sensitisation**

Based on available data, the classification criteria are not met.

#### **Skin sensitisation**

Based on available data, the classification criteria are not met.

#### **Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

#### **Carcinogenicity**

Based on available data, the classification criteria are not met.

#### **Reproductive toxicity**

Based on available data, the classification criteria are not met.

#### **STOT-single exposure**

Based on available data, the classification criteria are not met.

#### **STOT-repeated exposure**

Based on available data, the classification criteria are not met.

#### **Aspiration hazard**

Based on available data, the classification criteria are not met.

### **11.2. Information on other hazards**

#### **Long term effects**

None known.

#### **Endocrine disrupting properties**

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

#### **Other information**

Frostbite can occur if the gas is released quickly.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. ▼ Toxicity

Based on available data, the classification criteria are not met.

### 12.2. Persistence and degradability

Based on available data, the classification criteria are not met.

### 12.3. Bioaccumulative potential

Based on available data, the classification criteria are not met.

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

### 12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

### 12.7. Other adverse effects

None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### Waste treatment methods

Product is not covered by regulations on dangerous waste.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

### EWC code

16 05 05 Gases in pressure containers other than those mentioned in 16 05 04

### Specific labelling

#### Contaminated packing

Return to supplier.

## SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other informat ion:
ADR	UN1044	FIRE EXTINGUISHERS with compressed or liquefied gas	Transport hazard class: 2 Label: 2.2 Classification code: 6A 	-	No	Limited quantities: 120 ml Tunnel restriction code:

According to REACH Regulation (EC) No 1907/2006, as retained and amended by SI 2019/758 and SI 2020/1577

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other informat ion:
						(E) See below for additiona l informati on.
IMDG	UN1044	FIRE EXTINGUISHERS with compressed or liquefied gas	Transport hazard class: 2 Label: 2.2 Classification code: 6A 	-	No	Limited quantitie s: 120 ml EmS: F-C S-V See below for additiona l informati on.
IATA	UN1044	FIRE EXTINGUISHERS with compressed or liquefied gas	Transport hazard class: 2 Label: 2.2 Classification code: 6A 	-	No	See below for additiona l informati on.

\* Packing group

\*\* Environmental hazards

#### Additional information

This product is within scope of the regulations of transport of dangerous goods.  
ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.  
IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.  
IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.  
Hazchem Code: None

#### 14.6. Special precautions for user

Not applicable.

#### 14.7. Maritime transport in bulk according to IMO instruments

No data available.

## SECTION 15: REGULATORY INFORMATION

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

<i>Restrictions for application:</i>	No special.
<i>Demands for specific education:</i>	No specific requirements.
<i>Control of Major Accident Hazards (COMAH) - Categories / dangerous substances:</i>	Not applicable.
<i>Additional information:</i>	Not applicable.
<i>Sources:</i>	Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law. Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

### 15.2. Chemical safety assessment

No

## SECTION 16: OTHER INFORMATION

### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway  
 ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ATE = Acute Toxicity Estimate  
 BCF = Bioconcentration Factor  
 CAS = Chemical Abstracts Service  
 CE = Conformité Européenne (European conformity)  
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
 CSA = Chemical Safety Assessment  
 CSR = Chemical Safety Report  
 DMEL = Derived Minimal Effect Level  
 DNEL = Derived No Effect Level  
 EINECS = European Inventory of Existing Commercial chemical Substances  
 ES = Exposure Scenario  
 EUH statement = CLP-specific Hazard statement  
 EuPCS = European Product Categorisation System  
 EWC = European Waste Catalogue  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 GWP = Global warming potential  
 IARC = International Agency for Research on Cancer (IARC)  
 IATA = International Air Transport Association  
 IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SCL = A specific concentration limit  
SVHC = Substances of Very High Concern  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

#### **Additional information**

The classification of the mixture in regard to physical hazards has been based on experimental data.

#### **The safety data sheet is validated by**

Kiwa Technical Consulting AB

#### **Other**

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product.

Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en