

## Product Data Sheet (PDS) – Flamblocker CF7 (EN)

**PDS production date:** 6 February 2026

### Product Data Sheet – Flamblocker CF7

**Product name:** Flamblocker CF7

**Product type:** Universal fire suppression liquid

**Brand:** Flamblocker / C-Fire Belgium

**Application:** Fire suppression and fire prevention

**Website:** [www.flamblocker.com](http://www.flamblocker.com)

### 1. Product description

Flamblocker CF7 is a **multi-purpose, water-based fire suppression liquid** designed for professional use. The agent combines **strong cooling capacity** with a **chemical mode of action** to limit flame spread and prevent re-ignition. CF7 functions as a universal extinguishing agent that is effective across multiple fire classes and suitable for use in a wide range of systems and applications.

### 2. Fields of application

- Industry, infrastructure and transport
- Energy systems and storage facilities
- Professional fire suppression systems
- OEM systems and sprinkler systems
- Systems with lithium-ion fire risks
- Public buildings and commercial environments
- Residential housing
- Forest and wild fires
- Scrap metal
- Solar panels

### 3. Fire class suitability

Flamblocker CF7 has been developed for use across multiple fire classes:

#### Fire class Type of material / fire

- A** Solid organic materials (wood, paper, textiles)
- B** Flammable liquids (oil, petrol, chemicals)
- D** Burning metals (incl. lithium-ion)
- F** Cooking oils and fats
- E** Electrical hazards (energised electrical fires)

*(Wide range of applications)*

### 4. Key properties

Property	Specification
Base	Water + fire suppression additive
Dilution	1–10% depending on application
Viscosity	Comparable to water
pH (20 °C)	approx. 7.0–7.5
Relative density	approx. 1.04–1.12 g/cm <sup>3</sup>
Temperature range	–30 °C to +60 °C
Shelf life	Unlimited when stored correctly
Environmental profile	100% biodegradable, PFAS-free, non-toxic, non-corrosive
Safety	No carcinogenic or corrosive components
HS code	38130000

## 5. Mode of action and benefits

### Effective fire suppression technology:

- **Rapid cooling:** Strong heat absorption accelerates vapour formation and reduces fire temperature.
- **Saponification layer:** Upon contact, an insulating layer is formed that restricts oxygen supply to the burning material.
- **Inert steam effect:** Reduces free radicals and heat, limiting re-ignition and improving overall safety.
- **Environmentally friendly:** PFAS-free, biodegradable and compliant with current EU safety guidelines.

## 6. Storage and handling

- **Storage temperature:** -30 °C to +60 °C
- **Storage conditions:** Cool, dry, sealed packaging; protect from direct sunlight
- **Shelf life:** Long-term (unlimited when stored correctly)
- **Packaging units:** 20 L, 50 L, 200 L (other sizes available on request)
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## 7. Compatibility and systems

Flamblocker CF7 can be used with:

- conventional fire suppression systems;
- sprinkler and foam systems;
- manual application methods;
- specialised suppression systems for lithium-ion and electrical fire risks.

## 8. Health & safety

This document does **not** replace the **Safety Data Sheet (SDS)**. For full health, safety and environmental information, the current SDS must be consulted.

## 9. Regulation and conformity

- **REACH / CLP:** Product classification and labelling are in accordance with EU requirements.
- **CE / UKCA:** Not applicable to the fire suppression liquid itself; may apply to systems in which the product is used.

Please refer to the separate **Declaration of Conformity (DoC)** and **CE/UKCA status statements** for further details.



## 10. Disclaimer

The information provided in this PDS is based on currently available data and practical experience. Performance may vary depending on system design, application and conditions. A project-specific performance and risk assessment must always be carried out by qualified technical parties.

### Summary (1-page overview)

**Product:** Flamblocker CF7 – universal fire suppression liquid

**Fire classes:** A, B, D, F, E ([www.flamblocker.com](http://www.flamblocker.com))

**Key features:** biodegradable, PFAS-free, non-toxic, strong cooling effect

**Applications:** industrial and professional fire protection

**Storage:** –30 °C to +60 °C, unlimited shelf life

**Conformity:** REACH/CLP compliant; CE/UKCA not applicable