

SAFETY DATA SHEET

Compliant with: Regulation (EC) No. 1907/2006 (REACH), Regulation (EC) No. 1272/2008 (EU-GHS, CLP)

CF7 – all-purpose wetting agent

Revised: September 7th, 2026.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name:

Flamblocker CF7 – All-purpose wetting agent

Product description:

Colourless liquid

Other means of identification:

HS Code: 38130000

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

Identified uses:

Non-hazardous fire extinguishing agent.

Used to hinder temperature increase, prevent ignition and re-ignition of fire, reduce smoke development, and improve dispersion of extinguishing media.

Suitable for application on fire classes **A, B, F, and D**, Li-ion Batteries and for use as a fat and grease cleaner.

Dilution with water (typical use concentrations):

- Fire class A: 1–3 %
- Fire class B: 3–6 %
- Fire class F / D: up to 12 %

Uses advised against:

Use outside the recommended dilution ranges or for applications not consistent with the specified fire classes.

1.3 Details of the supplier of the safety data sheet

Supplier / Responsible party (global distribution):

Flamblocker BV

Brandpunt 32

1705 SK Heerhugowaard

The Netherlands

Telephone (responsible person):

+31 6 288 47 131 (Mr. Martijn Beerthuizen)

Email (competent person responsible for the SDS):

info@flamblocker.com

Website:

www.flamblocker.com

Manufacturer:

C-Fire NV

Frank Van Dyckelaan 3

9140 Temse

Belgium

Telephone:

+32 3 710 69 01

Email:

info@c-fire.eu

**Website:**

www.c-fire.eu

1.4 Emergency telephone number**Emergency telephone number (chemical emergency advice):**

+31 6 288 47 131 (Mr. Martijn Beerthuizen, Flamblocker BV)

Availability:

24 hours / 7 days

SECTION 2: HAZARD IDENTIFICATION**2.1 Classification of the substance or mixture**

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP). However, a Safety Data Sheet is being supplied for the product upon request of distributors.

2.2 Label elements

No hazard or precautionary statements are applicable.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**3.1 Substances**

Not applicable.

3.2 Mixtures

Water-based solution of plant extracts and alkali salts of inorganic acids.

No dangerous substances. No foams. No AFFF.

The mixture contains no PFAS, PFOS, PFOA or other fluorinated compounds. The product is fluorine-free and contains no PBT or vPvB substances.

SECTION 4: FIRST AID MEASURES

CF7 is a water-based solution containing plant extracts and alkali salts of inorganic acids. The product is not classified as hazardous under Regulation (EC) No. 1272/2008 (CLP). As with products containing plant-derived ingredients, individual sensitivity or allergic reactions cannot be completely excluded.

Inhalation: Not harmful by inhalation under normal conditions of use. No specific first-aid measures are required. If discomfort occurs, move the affected person to fresh air.

Skin contact: Not considered harmful to the skin. Wash the affected area with soap and water. In the event of an individual sensitivity or allergic reaction, discontinue exposure and seek medical advice if symptoms persist.

Eye contact: Not considered hazardous to the eyes under normal conditions of use. Remove contact lenses, if present and easy to do. Rinse cautiously with clean running water for several minutes while keeping the eyelids open. Seek medical advice if irritation or other symptoms persist.

Ingestion: The product is non-toxic if swallowed. Rinse the mouth with water. If a large quantity has been swallowed, do not induce vomiting. Seek medical advice if discomfort, an individual sensitivity or other symptoms occur.

SECTION 5: FIREFIGHTING MEASURES**General hazards:**

No danger of fire. The product itself is a fire-extinguishing agent.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Measures to be taken in case of accidental release or spillage:

Flush the affected area with water.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling and storage:

Protect from extreme temperatures in order to maintain the properties and effectiveness of the solution.

Shelf life:

Not limited when stored under the recommended storage conditions.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure control: none required
Personal protection: practice safe workplace habits
Respiratory protection (specify type): none required
Protective gloves: none required
Eye protection: none required
Other protective clothing or equipment: none required
Work / hygienic practices: practice safe workplace habits.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid
Odour: Slightly fresh smell
pH (20°C): 7.5–8.0
Melting point: Similar to water; not determined
Freezing point: -30°C
Initial boiling point and boiling range: Similar to water; not determined
Relative density: 1.12
Solubility in water: 100%; water solution
Kinematic viscosity (20°C): 72.42 mm²/s
Refractive index (20°C): 1.37582 (nD)

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: no known reactions
10.2 Chemical stability: Under storage at normal ambient temperatures (to keep strength of solution), the product is stable.
10.3 Possibility of hazardous reactions: No hazardous reaction when handled and stored according to provisions
10.4 Conditions to avoid: extreme temperatures (to keep strength of solution)
10.5 Incompatible materials: not known
10.6 Hazardous decomposition products: no known hazardous decomposition products

SECTION 11: TOXICOLOGICAL INFORMATION

Based on the available information on the composition of the mixture, CF7 does not meet the criteria for classification in a human health hazard class according to Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP).

No known adverse toxicological health effects are expected under normal conditions of use.

The mixture contains no PBT or vPvB substances.

The mixture contains no PFAS, PFOS, PFOA or other fluorinated compounds. CF7 is fluorine-free.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Testing of acute toxicity on freshwater green algae (*Raphidocelis subcapitata*)

Test method: HRN EN ISO 8692:2012

ErC₅₀ (72 h): 528 ± 41 mg/L

Based on the accredited laboratory analysis, the tested CF7 sample did not demonstrate acute ecotoxic effects on the aquatic organisms tested under the conditions of the test performed.

Testing of acute toxicity on *Daphnia magna* Straus (Cladocera, Crustacea)

Test method: HRN EN ISO 6341:2013

EC₅₀ (48 h): > 1000 mg/L

Based on the accredited laboratory analysis, the tested CF7 sample did not demonstrate acute ecotoxic effects on the aquatic organisms tested under the conditions of the test performed.



Testing of inhibition of growth of activated sludge microorganisms

EC₅₀: > 1000 mg/L

The product did not demonstrate acute toxic effects on activated sludge microorganisms under the conditions of the test performed.

Additional environmental information

No PBT substances.

No vPvB substances.

No PFAS, PFOS, PFOA or other fluorinated compounds.

Fluorine free.

12.2 Persistence and degradability

Abiotic Degradation: Not determined

Physical- and photo-chemical elimination: Not determined

Biodegradability: The aerobic biodegradation of CF7 was determined according to OECD Test Guideline 301F (1992).

Test duration: 28 days

Biodegradation after 28 days: 99.8% ± 2.4%, rounded to 100%.

The 60% pass level was reached within the required 10-day window. Based on the test results, CF7 is considered readily biodegradable according to OECD 301F.

The test was performed in accordance with the OECD Principles of Good Laboratory Practice (GLP).

12.3 Bioaccumulative potential

Not determined

12.4 Mobility in soil

Not determined

12.5 Results of PBT and vPvB assessment

CF7 is a readily biodegradable mixture and contains no PBT (Persistent, Bioaccumulative and Toxic) or vPvB (very Persistent and very Bioaccumulative) substances.

CF7 demonstrated 99.8% ± 2.4% biodegradation after 28 days, rounded to 100%, according to OECD Test Guideline 301F (1992).

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

The product is not considered hazardous waste. Dispose of after dilution with water.

The product contains no PBT or vPvB substances and no PFAS, PFOS, PFOA or other fluorinated compounds. CF7 is fluorine-free.

SECTION 14: TRANSPORT INFORMATION

CF7 – all-purpose wetting agent is not labeled as hazardous material. (100% biodegradable)

No restriction for transportation of product.

Customs Commodity Code (HS code): 38130000

EAN Code: 5407008000288

SECTION 15: REGULATORY INFORMATION

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

The product does not meet the criteria for classification as hazardous according to Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP).

This Safety Data Sheet has been prepared in accordance with Regulation (EC) No. 1907/2006 (REACH).

CF7 is PFAS-free and fluorine-free and contains no PBT or vPvB substances.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: OTHER INFORMATION

Disclaimer:

This SDS is to the best of our knowledge and belief, accurate and reliable as of the date compiled.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet.



Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.