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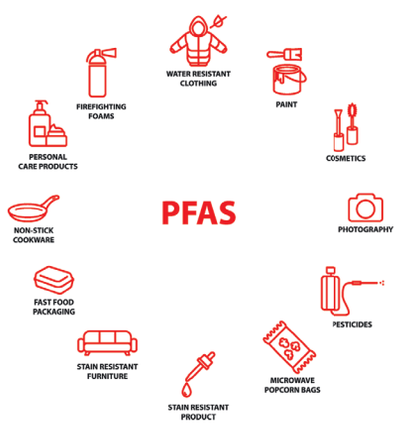
Safety First

A future without PFAS - Facts & Products

What are PFAS?

Per- and polyfluorinated alkyl substances (PFAS) include more than 10,000 substances. They are extremely persistent, do not degrade in nature and are extremely difficult/costly to remove. If these industrial chemicals, which have been used since the 1940s and are highly valued from a technical point of view, are released into the environment, they can pollute soil, water, plants and animals for centuries.

PFAS chemicals are water and grease repellent and are contained in many everyday products as well as in certain fire extinguishing agents.



The future is fluorine-free

Since 2019, the European Chemicals Agency (ECHA) has been working on a general ban on fluorinated surfactants in firefighting foams.

Following the publication of the draft in spring 2022 and the subsequent legislative process, it is now official: fluorinated foam fire extinguishers are now under threat. The European Commission has evaluated the European Chemicals Agency's (ECHA) proposal to completely ban fluorinated surfactants, which are difficult to break down in nature, in firefighting foams, and the European Parliament has now confirmed this.

The regulation banning PFAS-containing firefighting foams was adopted on October 2, 2025, and came into force 20 days after its publication in the EU Official Journal.

On our website www.gloria.de, you will find an up-to-date timeline for the regulation and an overview of our fluorine-free products.

FLUORINE-FREE

What specific changes does the regulation mean for the placing on the market and use of..... portable fire extinguishers*?

1. Ban on the sale of portable fire extinguishers* containing PFAS foams from 2026
From October 23, 2026, portable fire extinguishers* containing PFAS-based extinguishing foam may no longer be sold.
An extended deadline applies to certain alcohol-resistant foaming agents: in this case, placing on the market (= sale) will still be permitted until April 23, 2027.

2. General ban on use from October 2030
From October 23, 2030, the use and placing on the market of extinguishing foam containing ≥ 1 mg/l PFAS will be prohibited. This applies to all applications, including portable fire extinguishers*, with no further exceptions.

3. End of service life for portable fire extinguishers* containing PFAS-containing firefighting foam: December 31, 2030
The use of PFAS-containing firefighting foam in portable fire extinguishers* will only be permitted until December 31, 2030. After that date, these devices must be withdrawn from circulation or retrofitted.

... of firefighting foams in, for example, fire extinguishing systems (does not apply to portable fire extinguishers*)?

1. Special firefighting foams – labeling requirement from October 2026
From October 23, 2026, all firefighting foams containing PFAS with ≥ 1 mg/l PFAS must be clearly labeled. This label must read as follows: "WARNING: Contains per- and polyfluorinated alkyl substances (PFAS) with a concentration ≥ 1 mg/l."
The labeling requirement also applies to stockpiles and waste, e.g., old stock in companies.

2. Special requirements for handling PFAS-containing firefighting foam from October 2026
From October 23, 2026, strict requirements will apply to the continued use of PFAS-containing firefighting foam, in particular:

- Use only permitted for liquid fires (fire class B)
- Minimization of emissions and environmental releases through appropriate measures
- Obligation to collect, document, and dispose of properly: Wastewater or residues from testing or maintenance must also be recorded
- Creation of a "PFAS management plan," which must be updated annually and kept for at least 15 years. This must include:
  - Locations and quantities of use
  - Measures to prevent pollution
  - Cleaning and maintenance procedures
  - Emergency plans in case of accidental release
  - Strategy for gradual conversion to fluorine-free alternatives

**The term "portable fire extinguisher" refers to a fire extinguisher that is designed to be carried and operated by hand and has a mass of no more than 20 kg in operational condition in accordance with standard EN3-7; a wheeled fire extinguisher of no more than 150 liters in accordance with standard EN-1866; a fire extinguishing spray in accordance with standard EN-16856.*

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Fluorine-free foam/water alternatives from GLORIA

Foam cartridge operated fire extinguisher

Type	Art.-No.	Extinguishing agent	Performance LE
SKA+ 6 STAR	811661.0035	Foam concentrate in cartridge + water + additives	34A 144B 10 9
SKA+ 9 STAR	811671.0035	Foam concentrate in cartridge + water + additives	43A 183B 12 12
SKE 6 STAR	811661.0000	Foam concentrate in cartridge + water	21A 113B 6 6
SKE 9 STAR	811671.0000	Foam concentrate in cartridge + water	27A 183B 9 12
SKA+ 6 PRO	811641.0035	Foam concentrate in cartridge + water + additives	34A 183B 10 10
SKA+ 9 PRO	811651.0035	Foam concentrate in cartridge + water + additives	43A 183B 12 12
SKE 6 PRO	811641.0000	Foam concentrate in cartridge + water	21A 113B 6 6
SKE 9 PRO	811651.0000	Foam concentrate in cartridge + water	27A 183B 9 12
SB 6 PRO	813731.0000	Premix	21A 183B 6 12
SB 9 PRO	813741.0000	Premix	27A 183B 9 12
SBF 6 PRO	814171.0000	Premix	21A 113B 6 6
SBF 9 PRO	814181.0000	Premix	27A 183B 9 12
SKA+ 6 EASY	814121.0035	Foam concentrate in cartridge + water + additives	34A 144B 10 9
SKA+ 9 EASY	814131.0035	Foam concentrate in cartridge + water + additives	43A 183B 12 12
SKE 6 EASY	811681.0000	Foam concentrate in cartridge + water	21A 113B 6 6
SKE 9 EASY	811691.0000	Foam concentrate in cartridge + water	27A 183B 9 12

Foam stored pressure fire extinguisher

Type	Art.-No.	Extinguishing agent	Performance LE
SDB 6	813681.0000	Premix	21A 183B 6 12
SDB 9	811741.0000	Premix	27A 233B 9 15
SD 6 P	813681.0035	Premix	34A 144B 10 9
SD 9 P	811741.0035	Premix	43A 183B 12 12
SD 6 E	814222.1808	Premix	21A 144B 6 9
SD 9 E	814232.1808	Premix	27A 183B 9 12
SD 6 F	814201.0000	Premix	21A 113B 6 6
SD 9 F	814211.0000	Premix	27A 183B 9 12

Water cartridge operated fire extinguisher

Type	Art.-No.	Extinguishing agent	Performance LE
WH 6 STAR	803821.0000	Water + additives	34A 10
WH 9 STAR	803831.0000	Water + additives	43A 12
W 6 STAR	803861.0000	Water	21 A 6
W 9 STAR	803871.0000	Water	27 A 9
WH 6 PRO	803801.0000	Water + additives	34A 10
WH 9 PRO	803811.0000	Water + additives	43A 12
WKL 6 PRO	803841.0000	Concentrate in cartridge + water	21A 6
WKL 9 PRO	803851.0000	Concentrate in cartridge + water	27A 9
WH 6 EASY	801601.1776	Water + additives	34A 10
WH 9 EASY	801611.1776	Water + additives	43A 12
W 6 EASY	801601.0000	Water	21A 6
W 9 EASY	801611.0000	Water	27A 9
WF 6 EASY	801621.0000	Water + antifreeze	21A 6
WF 9 EASY	801631.0000	Water + antifreeze	27A 9

Water stored pressure fire extinguisher

Type	Art.-No.	Extinguishing agent	Performance LE
WD 9	801671.0000	Water + Additive	21 A 6
WDPF 9	801661.0000	Water + antifreeze	21 A 6

Fat fire extinguisher

Type	Art.-No.	Extinguishing agent	Performance LE
FA 6 STAR	814131.0000	Wet chemical	13A 75F 4 9
FA 6 PRO	814121.0000	Wet chemical	13A 75F 4 9
FA 3 EASY	814101.0000	Wet chemical	8A 75F 2 9
FA 6 EASY	814111.0000	Wet chemical	13A 75F 4 9
FDA 2	811531.0000	Wet chemical	5A 40F 1 3
FDA 3	813651.0000	Wet chemical	8A 75F 2 9
FDA 6	814161.0000	Wet chemical	13A 75F 4 9

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