

Fact sheet

Euralarm position on ECHA proposal for restriction of PFAS within the EU, submitted by Germany, Netherlands, Denmark, Sweden, and Norway

Introduction

On 7th February 2023, ECHA (the European Chemical Agency for the EU and EEA countries of Iceland, Lichtenstein, and Norway) – an agency of the European Union – published a proposal for restriction of PFAS within the EU, submitted by Germany, Netherlands, Denmark, Sweden, and Norway. PFAS are a group of thousands of mainly man-made substances that are used in numerous applications worldwide. The proposal is very broad and covers many different applications of PFAS on 1,780 pages.

Within the proposal, the applications of PFAS are grouped into 14 sectors: TULAC (Textile, upholstery, leather, apparel and carpets) - Food contact materials and packaging - Metal plating and manufacture of metal products - Consumer mixtures - Cosmetics - Ski wax - Applications of fluorinated gases - Medical devices - Transport - Electronics and semiconductors - Energy sector - Construction products - Lubricants - Petroleum and mining. This document serves as brief overview summary with a focus on firefighting gases as part of the sector group 'Applications of fluorinated gases'.

What firefighting gases are included in the proposal?

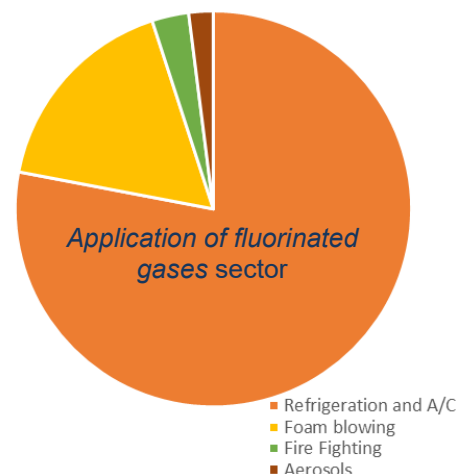
The 'Application of fluorinated gases' sector includes commonly used and new fluorinated gases, as well as part of their blends. The respective firefighting gases are covered by EN 15004 or ISO 14520 under the following designations:

- HFC-227ea, example tradenames: FM-200™, MH227®, FE-227™, Solkaflam®227
- HFC-125, example tradename: Ecaro-25®
- FK-5-1-12, example tradenames: Novec™1230, Dukare®1230, Noah®5112, MH5112®
- HB-55, example tradename: Solstice®Quench 55

How are fluorinated gases used in firefighting considered within the proposal?

Within the sector group, 'Application of fluorinated gases', 3% relates to firefighting gases. This is extremely low compared to other applications in this sector group such as refrigeration and foam blowing.

Gaseous extinguishing systems are, by application, non-emissive until required to fight fires; the FSTOC 2022 Assessment Report estimates that annual emissions from the fire protection bank is 3% (i.e., a nominal 3% of 3% of the 'Application of fluorinated gases' sector).



Annex E of the restriction proposal recognises particularities for firefighting applications.

Table E.102 of Annex E sets out the assessment of the costs and benefits of the restriction options for firefighting applications and whilst recognising there are alternatives to F-Gases it notes that there are still applications that will require them stating:

“However, for some applications these alternatives have a range of drawbacks,”

and therefore concludes:

“A derogation is necessary given the lack of alternatives to avoid significant risk to human life and cultural and other assets. Given the failure of past research into alternatives it is likely that a 5-year derogation would be insufficient, and a longer derogation would be needed. *[sufficiently strong evidence]*”

Thus, the proposal’s recommendation for firefighting applications is:

18-month transitional period after Entry into Force (EiF), followed by a 12-year derogation from ban.

The rationale behind this recommendation is:

- The need for confidence in fire safety systems, which indicates potential for significant welfare.
- To limit significant risk on human life.
- To avoid potential destruction of valued assets damaged by fire or other fire suppressants.

What are the next steps?

1. Public consultation for the restriction proposal started on 22 March 2023 and will end on 22 September 2023.
2. Opinion development in ECHA’s committees in parallel*.
3. ECHA draft opinion consultation, approx. 3-6 months.
4. Submittal to EU Commission, followed by a voting process in European Parliament and Council culminating in Entry into Force (EiF).
5. An 18-month transition period, following EiF, before the general ban affecting all PFAS.
6. Following the transition period, derogations for specific uses e.g. 12 years for firefighting applications.

Draft	Public Consultation		Opinion development					Draft opinion consultation		Legislative process		Entry into force
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
2023	2023	2023	2023	2024	2024	2024	2024	2025	2025	2025	2025	2026

Expected timeline, see [details here](#).

*ECHA states: However, in view of the complexity of the proposal and the extent of information that is expected to come from the consultation, the committees may need more time to finalise their opinions.

Conclusion

In light of the current information available, considering the actual proposal and the drafted timeline, it appears that an EiF for legislation is not likely to be implemented before end of 2025. Therefore, in the restriction proposal, fluorinated gases such as FK-5-1-12 or HB-55 which are not restricted by the F-Gas regulation are expected to be available for use at least until mid-2039 (taking into account the above recommendation on transition period and derogation).

Euralarm supports the position from ECHA, during their webinar, that in the current proposal there is no intent to mandate the removal of installed systems.

As this is a development process, Euralarm is committed to closely monitor the progress and inform interested parties regularly about changes. See also <https://echa.europa.eu/en/-/echa-publishes-pfas-restriction-proposal>

DISCLAIMER

The information in this document has been summarized by Euralarm [May 2023] and is intended for informational purposes only. Some of the information may become outdated and may not reflect the most current developments. Full details of the PFAS restriction proposal can be found on ECHA website <https://echa.europa.eu/en/home>. This document is for information purposes only and in no way constitutes a warranty of quality or a statement about the quality of products, services and/or named entities. Any claims arising from this document are expressly excluded.

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Note: The English version of this document is the approved Euralarm reference document.

About Euralarm

Euralarm represents the fire safety and security industry, providing leadership and expertise for industry, market, policy makers and standards bodies. Our members make society safer and secure through systems and services for fire detection and extinguishing, intrusion detection, access control, video monitoring, alarm transmission and alarm receiving centres. Founded in 1970, Euralarm represents over 5000 companies within the fire safety and security industry valued at 67 billion Euros. Euralarm members are national associations and individual companies from across Europe.

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