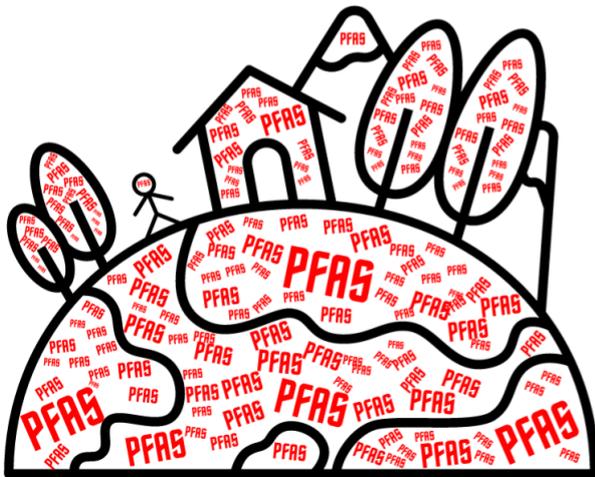


Manifesto for an urgent ban of 'forever chemicals' PFAS



Can you spot the
PFAS pollution?
...it's not hard is it?

#BanPFAS

There is clear and unequivocal evidence that demonstrates global contamination of the environment, wildlife and human populations by PFAS - the most persistent human-made chemicals known to date. PFAS pose an unacceptable risk¹ for both current and future generations due to their extreme persistence, and the scientific evidence that links exposure to harmful impacts on wildlife and human health. There are 1000s of different PFAS. However, it is of great concern that only a handful are currently controlled by regulations at the global level even though many safer alternatives are readily available.

We, European civil society organisations, urge EU Member States and the Commission to ban all PFAS in all consumer products by 2025 and to have a complete ban by 2030.

What are PFAS?

PFAS, per- and polyfluorinated alkyl substances, are a large family of over 4,700 human-made chemicals according to the 2018 OECD definitions^{2,3}. Since their introduction in the late 1940s, PFAS have been used in an increasingly wide range of consumer products and industrial applications, ranging from food packaging and clothing to electronics, aviation and firefighting foams. They are used for their capacity to repel both grease and water as well as for their high stability and resistance to high temperatures - thanks to their carbon-fluorine bond. However, this bond - the strongest bond in organic chemistry - is also responsible for their extreme persistence in the environment, granting them the label 'forever chemicals'.

Why PFAS must be banned

- **[Fact one](#)**: Widespread PFAS-use has created an irreversible toxic legacy of global contamination.
- **[Fact two](#)**: PFAS pollution is already affecting communities across Europe and beyond.
- **[Fact three](#)**: PFAS are accumulating in our bodies and those of our children.
- **[Fact four](#)**: PFAS exposure poses an immediate threat to human health.
- **[Fact five](#)**: PFAS pollution is fuelling the biodiversity crisis.
- **[Fact six](#)**: PFAS pollution is a threat to our drinking water.
- **[Fact seven](#)**: PFAS in products creates a barrier to the circular economy and a waste problem, yet to be solved.
- **[Fact eight](#)**: PFAS-free solutions already exist, yet PFAS continue to be added unnecessarily to many consumer products.
- **[Fact nine](#)**: All PFAS must be restricted as one group to protect current and future generations.

The EU ambition

Access to a clean, healthy and sustainable environment is a human right⁴ and it is each State's primary duty to protect its people from exposure to pollution and other hazardous substances by preventing exposure⁵.

In 2019, the Council of the European Union called on the Commission to develop an action plan to eliminate all non-essential uses of PFAS and this was integrated into the Chemicals Strategy for Sustainability as part of the European Green Deal. **Now is the time to fulfil the commitments of the Chemicals Strategy for Sustainability and show to the rest of the world that phasing out PFAS is possible.**

Chemical pollution has passed the safe limit for humanity. Scientists are urging immediate action to reduce the production and release of novel entities⁶, such as human-made chemicals and plastics. Therefore **it is vital that EU Member States and the Commission do not delay measures to address the growing and persistent problem of PFAS pollution.** Every day of delay leads to more PFAS being released and irreversibly accumulating in the environment, damaging people's health and impacting biodiversity.

The PFAS pollution crisis must be treated as an emergency situation. This leaves no room for half hearted measures.

Call for action

As European civil society organisations, representing public interest across health and environmental constituencies, we urge action on the following demands:

Stop adding to the PFAS pollution burden:

- 1. We call for a phase-out of all PFAS uses in consumer products (e.g. food packaging, cosmetics, clothing) in the EU by 2025.**
- 2. We call for complete phase-out of all PFAS production and use in the EU by 2030.**

This is achievable through [the restriction of the whole PFAS group](#) under the European Chemical Regulation REACH. We express our support for the development of a strong and effective restriction proposal currently in preparation by Denmark, Germany, Norway, Sweden and the Netherlands.

Address the existing PFAS pollution burden:

- 3. We urge EU governments to develop a swift and efficient plan for decontaminating soil and drinking water of affected communities and allocate sufficient funds for such remediation projects.**

The polluter-pays principle must be applied consistently, in particular to guarantee that the burden of cost is borne by the polluter, including the producer, rather than the taxpayer.

Read our [full list of demands](#).

Signatories

If your organisation would like to sign-on to this manifesto, please send an e-mail to sign@banpfasmanifesto.org



CHEMTrust
Protecting humans and wildlife
from harmful chemicals



ClientEarth 

voice



**Corporate
Europe
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Bund für
Umwelt und
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KUPUJ ODPOWIEDZIALNIE !



If your organisation would like to sign-on to this manifesto, please send an e-mail to sign@banpfasmanifesto.org

PFAS Facts

1. Widespread PFAS-use has created an irreversible toxic legacy of global contamination

Although only created in the last century and in commercial use for nearly 80 years, **the extreme persistence, mobility and widespread use of PFAS has resulted in global contamination of water, air, soils, wildlife and human populations.**

- PFAS and their precursors are now found in rainwater and in most water bodies, accumulating in rivers, lakes, and the marine environment^{7,8}.
- PFAS contaminate soils and crops, and bioaccumulate along food chains^{9,10}.
- They contaminate air and dust, and reach even the most remote regions of the globe, from high altitudes to both poles^{11, 12, 13} through long-range atmospheric transport.
- Scientists argue that the PFAS planetary boundary has been exceeded due to PFAS levels in the global environment being ubiquitously above guideline levels¹⁴.

With current analytical methodologies restricted to a minority of PFAS, and fewer still being actively monitored, our current understanding of environmental contamination represents only the tip of the iceberg¹⁵. **Continuing to condone this widespread degradation of natural resources risks resulting in devastating consequences for future generations.**



2. PFAS pollution is already affecting communities across Europe and beyond

PFAS pollution is affecting communities across Europe and beyond right now. In Europe alone, it is estimated that about **100,000 sites are potentially emitting PFAS**¹⁶. Hotspots of contamination are found near chemical plants producing and/or using PFAS, around airports and military bases where PFAS-containing firefighting foams are or have been used, and in areas where PFAS-contaminated sludge are or have been spread on agricultural lands¹⁶. In total, it is estimated that **12.5 million Europeans are living in communities with drinking water polluted with PFAS**¹⁶. For example:

- **Belgium:** In the areas of Antwerp and Zwijndrecht, **half a million people** are exposed to high levels of PFOS pollution related to the activities of the company 3M¹⁷. Excessive PFOS levels were found in the blood of local residents, and eggs hatched within a 15-kilometre radius of the PFAS-producing factory were found to pose health risks. The pollution has crossed the border and spread to the Netherlands, where the government warns against eating fish from the West Scheldt¹⁸.
- **France:** According to recent reports, the drinking water of over **200,000 people** in the outskirts of Lyon (in the “Chemicals Valley”) have PFAS levels above the EU regulatory threshold. These levels might be due to the industrial emissions of two factories using PFAS - Daikin and Arkema¹⁹. The contamination also concerns air, soil and the water of the Rhône river.
- **Germany:** Several hotspots of PFAS pollution have been identified, with soil, groundwater and drinking water contaminations²⁰. One example is the **City of Düsseldorf of >600,000**

inhabitants where massive areas of groundwater are polluted with PFAS. The pollution is due largely to the use of PFAS-containing firefighting foams. Costs for soil remediation around Düsseldorf Airport are estimated at up to **EUR 100 million**¹⁶.

- **Italy:** In the Veneto region, up to **350,000 people** were exposed unknowingly to PFAS-contaminated drinking water for decades due to emissions from the Miteni factory operating since 1964¹⁶ (closed in 2018). Blood tests of residents revealed levels of PFAS exceeding national recommendations. After the contamination was discovered in 2013, activated carbon filters were installed in drinking water treatment plants, costing EUR 2 million to the region's government and taxpayers. The cost for the maintenance of the filtration system is estimated at ~ **EUR 1 million per year**¹⁶.
- **The Netherlands:** In Dordrecht, where Chemours' largest production site in Europe is located, PFOA was produced until 2012, before being replaced with GenX, another PFAS based technology. In 2018, it was estimated that **750,000 people** living in cities close to the Dordrecht plants were exposed to high levels of PFOA¹⁶. Chemours has been required to reduce its GenX emissions and the company announced it would invest **EUR 75 million** in reducing emissions¹⁶. This is however, only a small fraction of the cost to clean up the legacy pollution burden.

The remediation of PFAS-contaminated sites is extraordinarily expensive and time consuming. For all 31 EEA Member Countries and Switzerland as of 2019, **the cost of environmental remediation has been estimated between EUR 821 million to EUR 170 billion**, with a best estimate in the order of EUR 10–20 billion¹⁶.

PFAS pollution creates a huge financial burden on society and a threat to the environment and the health of generations to come.

3. PFAS are accumulating in our bodies and those of our children

Many of the PFAS already studied have been shown to be toxic to humans; with some of them accumulating and persisting in our bodies. People across Europe are exposed to these 'forever chemicals' through food, water and consumer products as well as materials in our homes and workplaces. PFAS concentrations build-up in human body fluids and have been found in blood, urine, placenta, the umbilical cord and breastmilk^{21, 22}. **Today, children are born pre-polluted with PFAS^{23, 24}, putting the health prospects of future generations at risk.**

Human biomonitoring studies provide clear evidence that PFAS are also accumulating in the blood serum of populations worldwide, with exposure linked to occupational risk and age cohort¹⁰. Diet is recognised as the major source of PFAS exposure for most of the EU population, in particular fish, fruits, meat and eggs¹⁰. **Intake in children is almost double than that of adults¹⁰; babies are born with PFAS already in their bodies from prenatal exposure, are fed PFAS-contaminated breast-milk or formula^{25, 10}, and ingest significant quantities of PFAS in contaminated house-dust¹⁰.** For example:

- In 2005, an EU-wide family biomonitoring study found PFOA and/or PFOS in the blood of *all* participating children²⁶.

- A 2017 study from Santé Publique France found PFAS in the serum of all French pregnant women from a 2011 cohort. PFOS, PFOA, PFHxS, PFNA and PFDA were the chemicals the most often detected and with the highest concentration²⁷.
- A German environmental survey, carried out in 2014 and 2017 found both PFOS and PFOA widespread amongst children and adolescents (100% and 86% respectively)²⁸, despite global restrictions mandated under the Stockholm convention for PFOS in 2009.
- In 2020, the European Food Safety Authority (EFSA) re-evaluated the evidence on PFOA and PFOS toxicities, concluding that parts of the European population will exceed the new tolerable weekly intake levels due to the widespread contamination of food and drinking water¹⁰.
- EFSA's 2020 report also concluded that toddlers and other children are the most exposed population groups due to exposure during pregnancy and breastfeeding¹⁰.
- In 2021, the National Institute for Public Health and the Environment stated that Dutch citizens are exposed to too high concentrations of PFAS via food and drinking water²⁹.
- In 2022, the European Human Biomonitoring Initiative HBM4EU reported results indicating that over 14% of the European teenagers analysed had PFAS levels in their bodies exceeding EFSA's health-based guidelines³⁰.

As levels of PFOS and PFOA start to decline in response to stringent restrictions, **there has been a concurrent rise in the novel PFAS substances that have quickly replaced them¹⁰. This undoes the partial regulatory efforts achieved, and provides a worrying glimpse of the problems future generations will be forced to address.**



**Today, children are
born pre-polluted
with Forever
Chemicals**

#BanPFAS

4. PFAS exposure poses an immediate threat to human health

Exposure to the most studied PFAS has been linked to an array of adverse health effects³¹, including thyroid disease, liver damage, reduced birth weight, obesity, diabetes, high cholesterol

and reduced response to routine **vaccination**, and an increased risk of breast, kidney and testicular **cancer**^{32, 33, 34}. There is also growing evidence suggesting impacts on **fertility** as well as development and behavioural problems³⁵. Yet, we still lack adequate toxicological data to assess the safety of the vast majority of PFAS.

The health risks are further exacerbated when exposure occurs in vulnerable groups. It is our children, pregnant women and the developing foetuses of the next generations that will pay the price for today's inaction³⁶.

Worryingly, as scientific knowledge progresses, more and more evidence keeps building up about the harm associated with PFAS exposure. For example:

- In 2020, EFSA lowered the recommended tolerable intake of PFOA by over 2,000-fold compared to 2008¹⁰.
- In 2021, the US Environmental Protection Agency (EPA) reduced their PFOA-reference dose by over 13,000-fold compared to 2016³⁷.
- A similar trend is seen for GenX (a PFAS commonly used as a replacement for PFOA), for which the EPA lowered the reference dose 26-fold in 2021 compared to 2018³⁸.

Whilst continual assessment and re-evaluation are necessary and adjustments to safety limits are inevitable, **the dramatic extent to which these limits have changed in recent years clearly demonstrates a failure to adequately protect the public, particularly those living with exposure levels now recognised as unsafe. This trend also raises serious concern over the many thousands of PFAS, for which toxicological data is still lacking.**

5. PFAS pollution is fuelling the biodiversity crisis

Chemical pollution is acknowledged as one of the main, yet underestimated, drivers of the biodiversity crisis³⁹. Due to the extreme environmental persistence of PFAS and their continued and widespread use across modern society, **PFAS represent a major and increasing burden on wildlife. This both directly impacts populations' survival and reduces resilience to other stressors such as climate change and habitat loss.**

PFAS are highly mobile in the environment, with research showing the ability of some to both accumulate in living organisms and at the top of the food chain. As such, PFAS are now detected in numerous species across the EU, from freshwater fish⁴⁰ and terrestrial birds⁴¹, to top predators such as otters, seabirds and marine mammals^{20,42}. Recent research also points to the impacts that PFAS can have on key species such as pollinators, risking knock-on implications across agriculture and food production. For example:

- In **marine mammals**, PFAS exposure has been linked to impacts on immune, blood, liver and kidney function in bottlenose dolphins, immune function in sea otters and has even been linked to neurological impacts in polar bears⁴³.
- In **marine birds**, higher levels of PFAS are correlated with disruption of the thyroid hormone and poorer body conditions⁴⁴.
- In **fish**, PFAS have been shown to disrupt reproduction, thyroid activity, metabolism and development⁴⁵.

- Exposure of **bee colonies** to PFOS has been shown to increase mortality and affect colony activity, with PFOS bioaccumulating in bee tissues⁴⁶.

The threat of persistent chemicals is not new. Legacy contaminants such as PCBs continue to threaten EU wildlife decades after restrictions were first introduced. **It is therefore vital that we act with urgency to stem all unnecessary sources of these persistent pollutants if we are to learn from past mistakes, protect wildlife, and safeguard the resilience of our natural environment for future generations.**



6. PFAS pollution is a threat to our drinking water

Clean drinking water is essential to human health. Access to this natural resource is already under stress from climate change and PFAS pollution is adding to this pressure. Governments must act now to eliminate PFAS pollution before we lose access to more clean drinking water sources.

- **Due to their high mobility in water, PFAS can easily move from sources of discharge to drinking water.** It is estimated that between 2-17 % of PFAS accumulation in humans in Europe is due to intake from drinking water⁴⁷. If PFAS levels in water continue to rise, this trend will only keep increasing.
- **PFAS cannot be easily removed from drinking water.** EurEau, the European Federation of National Associations of Water Services representing water services providers from 30 countries, alerts that “*While technologies exist to remove most PFAS, they are unsustainable, mainly due to their technical complexity, resource intensity (water, energy, treatment chemicals etc.) and the generation of PFAS-containing residues. Reliance on end-of-pipe solutions creates a substantial stumbling block on the water sector’s journey towards climate neutrality*”⁴⁷.
- **Even when partial removal is possible, it leaves the water industry with PFAS-contaminated waste to dispose of.** Currently, a portion of this residual waste (sewage

sludge or biosolids) is spread on land. Contaminants such as PFAS are then transferred to the environment⁴⁸ and potentially into the food chain^{9,10,49}.



7. PFAS in products create a barrier to the circular economy and a waste problem yet to be solved

It is now widely accepted that moving towards a clean circular economy is part of creating a more sustainable society and addressing the climate crisis. To achieve this, **we need to rethink how we use and manage chemicals, avoid locking harmful chemicals into successive product loops, and prevent contamination of otherwise useful waste streams.** We know that PFAS already contaminate a range of recycled paper and board products, where they are present as unintentional impurities, unnecessarily exposing the public. In addition, through the agricultural application of contaminated compost and waste paper pulp, PFAS can be taken up by food crops and enter the wider environment. For example:

- Recent product testing found widespread **PFAS contamination of paper and board food packaging** items not intentionally treated with PFAS^{50,51,52}, suggesting recycled content as a primary source.
- **Compostable moulded fibre food packaging** has repeatedly been shown to contain high levels of PFAS, with concentrations up to 5 times higher than comparable paper and board products^{50,51,52}. If composted as advised, this represents a direct source of PFAS into the environment.
- **Paper sludge** contaminated with PFAS and spread onto arable land resulted in significant levels of soil and groundwater contamination in the area of Rastatt in Baden-Wuerttemberg, Germany⁵³. PFAS were also recorded in **crops** at levels exceeding those deemed safe for human consumption⁵⁴.

In addition, we are yet to find a suitable solution to how to dispose of PFAS waste. PFAS are almost impossible to destroy, even high temperature thermal treatment does not guarantee their

full break down⁵⁵. Only some specialised non-combustion technologies seem to offer some hope in fully destroying them^{56,57,58}. The disposal of PFAS-treated products in municipal incinerators leads to the emission of products of incomplete combustion, including PFAS and long-lived, potent greenhouse gases⁵⁹. Some PFAS also remain in the ash residues, generating further waste contaminated with PFAS⁶⁰. Discarding PFAS-treated consumer products with general household waste, whether to landfill or incineration, ultimately acts as a source of emissions to the environment⁶¹. **The continued production and use of PFAS, without adequate means of disposal, is therefore highly unsustainable.**



8. PFAS-free solutions already exist, yet PFAS continue to be added unnecessarily to many consumer products

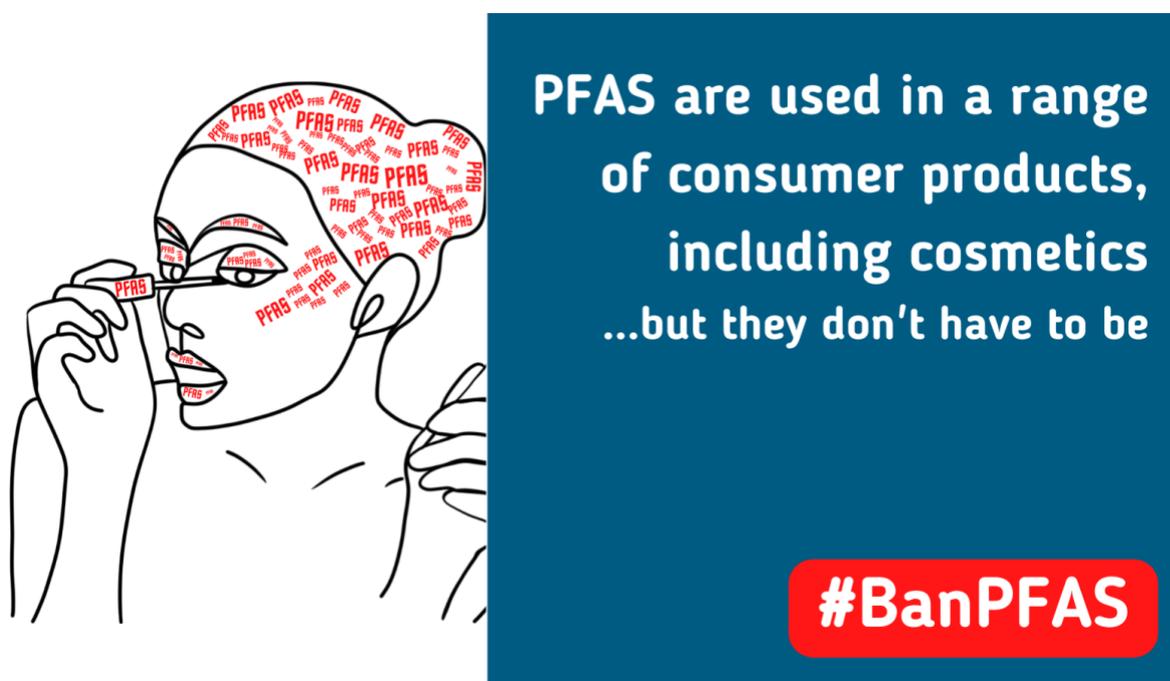
PFAS are regularly used in a huge range of consumer products, often to provide a function that is either ineffective or unnecessary, or where alternatives already exist. For example:

- According to a survey carried out by environmental charity Fidra, contrary to what industry regularly purports in support of PFAS use in textiles, the use of **clothing** treated with PFAS-based stain resistance⁶² did not impact consumer behaviour, either in terms of washing frequency or garment longevity.
- In 2020, the same **food packaging** item - a french fries bag from the brand McDonald's - was bought in three different countries and tested for PFAS⁵¹. 1 out of the 3 samples did not show any intentional PFAS treatment, clearly demonstrating that PFAS-free alternatives are available on the market. The country where no PFAS treatment was identified was Denmark, where a ban on PFAS in food packaging has been in place since July 2020. This illustrates that regulations are an effective tool to push industry players to find safe replacements.
- In 2021, chemical analysis of **cosmetics** by the Danish consumer council revealed the presence of PFAS in mascara⁶³ and face cream⁶⁴. In 2022, BUND found intentionally added

PFAS in powder, face masks and shampoos of international brands. Another study looking at PFAS-use in cosmetics sold on the US and Canadian markets found PFAS in more than half of the samples tested. However, the study also showed the availability of a wide range of popular cosmetics that met customer expectations without the need for PFAS⁶⁵.

- More than 90 companies have joined [ChemSec's Corporate PFAS movement](#) supporting a ban on PFAS. Many of them have already phased out PFAS, demonstrating the availability of alternatives and the possibility to adapt industrial processes. A range of safer alternatives are available for many PFAS uses; some are listed in [ChemSec Marketplace](#) and in various sector specific reports, including for textiles⁶⁶, food packaging^{67,68} and paints⁶⁹.

Even when PFAS-free products are available, with little or no requirement for product labelling or publicly available information, consumer choice remains limited. Even within supply chains, awareness of PFAS is low and chemical content often unavailable for the vast majority of products. **Clear legislative action and enforcement is therefore essential to reduce public exposure to PFAS and to prevent ongoing environmental contamination.**



9. All PFAS must be restricted as one group to protect current and future generations

The extreme persistence of all PFAS and the irreversibility of global PFAS contamination has already created a toxic legacy, the burden of which will be felt for generations to come. Continual release of PFAS leads to increasing levels in the environment and increases the chance of triggering known and unknown adverse effects⁷⁰. The health-related costs of inaction for all EEA countries have been estimated at 52 – 84 billion EUR¹⁶.

We must act now to stop adding to the burden and halt this damage, and the only way is to ban all PFAS as one group.

Relying on chemical-by-chemical approach for the regulation of PFAS cannot be an option:

- From the long-chain carboxylic and sulfonic acids to the ultrashort-chain trifluoroacetic acid and the polymeric PFAS, all PFAS are very persistent or degrade into very persistent PFAS, and contribute to the load of human-made pollutants burdening the environment.
- Piecemeal regulatory approaches to PFAS management implemented so far, both in the EU and abroad, have been inadequate in preventing their release into the environment.
- With 1000s of PFAS compounds identified, and toxicological data available for only a handful of these, it is impossible to perform a full risk assessment for each individual PFAS. Allowing PFAS to continue accumulating in our bodies and the natural environment while we wait potentially decades for research to catch up is not acceptable.
- Fluoropolymers are a group of PFAS plastics including PTFE, better known under one of its trade names Teflon. The chemical industry is arguing that fluoropolymers should not be grouped with other PFAS for regulatory purposes as they present no significant toxicity of concern⁷¹. However, scientists have shown that from a life cycle perspective, fluoropolymers are intimately linked to the use and emissions of other PFAS⁷². For example, other PFAS can be used as processing aids during fluoropolymers production, or be present as impurities, and there are serious concerns regarding the toxicity of these PFAS on humans and the environment⁷².
- These 'chemical-by-chemical' approaches have led to the substitution of regulated PFAS with other, similarly problematic, unregulated PFAS. They have created a never-ending cycle of regrettable substitution that has undermined genuine progress towards safe and sustainable alternatives.

The only way to end this never-ending cycle of regrettable substitution, prevent the continual pollution of the environment, and protect current and future generations from the impact of PFAS pollution, is to restrict the entire PFAS group.

Our demands

As European civil society organisations representing public interest across health and environmental constituencies, we urge action on the following demands:

Stop adding to the PFAS pollution burden:

- 1. We call for the development and implementation of an EU wide restriction on the production and use of all PFAS**, to eliminate all unnecessary sources of these harmful chemicals, and to drive production and innovation towards safer and greener alternatives.
 - a. We call for a phase-out of all PFAS uses in consumer products (e.g. food packaging, cosmetics, clothing) by 2025.**
 - b. And a complete phase-out of PFAS production and use by 2030.**
- 2. We express our strong support for the commitment of Denmark, Germany, Norway, Sweden and the Netherlands** to work towards a strong and effective proposal for an EU wide universal PFAS restriction, with the following recommendations:

- a. All currently unregulated PFAS, including fluoropolymers, should be covered by the restriction to limit future PFAS emissions as much as possible.
 - b. Both the production and use of PFAS across sectors should be covered.
 - c. As few derogations as possible should be granted, that is only for uses that are critical for health, safety and the functioning of society, and for which no alternatives are currently available - so-called essential uses.
 - d. All derogations should be time limited and reviewed regularly to ensure the conditions of the derogation remain valid.
 - e. Stringent risk-management requirements (including labelling, monitoring and reporting) must be in place for derogated uses to ensure zero-emission to the environment at all stages of the life-cycle.
3. **We call on all the EU Member States** to fully support the development and implementation of a restriction that can serve as a model for world-wide action.
 4. **We urge the European Commission** to fulfil its commitments under the Chemical Strategy for Sustainability by fully supporting the development of the universal PFAS restriction and adopting it without delay.
 5. **We call on the Parties to the Stockholm Convention** on persistent organic pollutants (POPs) to work for a class-based approach of listing all PFAS for global elimination.
 6. **We urge companies** to commit to phasing out PFAS in their products without waiting for specific regulations to enter into force and to join the ChemSec-led [‘No to PFAS’ corporate movement](#).
 7. **We encourage citizens** to demand PFAS-free products and spread the word on social media - using the **#BanPFAS** hashtag - to increase public pressure for a ban of PFAS chemicals.

Address the existing PFAS pollution burden:

8. **We urge EU governments** to develop a swift and efficient plan for decontaminating soil and drinking water of affected communities and allocate sufficient funds for such remediation projects. The polluter-pays principle must be applied consistently, in particular to guarantee that the burden of cost is borne by the polluters, including the producer, rather than the taxpayer.
9. **We urge the EU authorities** to adopt waste legislation ensuring the classification of PFAS-containing waste as *hazardous* and/or POPs waste. That is to avoid PFAS-containing waste being circulated back into the economy and the environment via recycling and other routes such as sewage sludge spreading.
10. **We call on EU authorities** to review the concentration limits for PFAS in waste within the POPs regulation as soon as possible, and no later than in 5 years. The limits must be lowered to prevent the circulation of legacy PFAS into recycled products or export of PFAS-containing waste to non Member States, including developing countries and countries with economies in transition.

<https://banpfasmanifesto.org/en/>

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