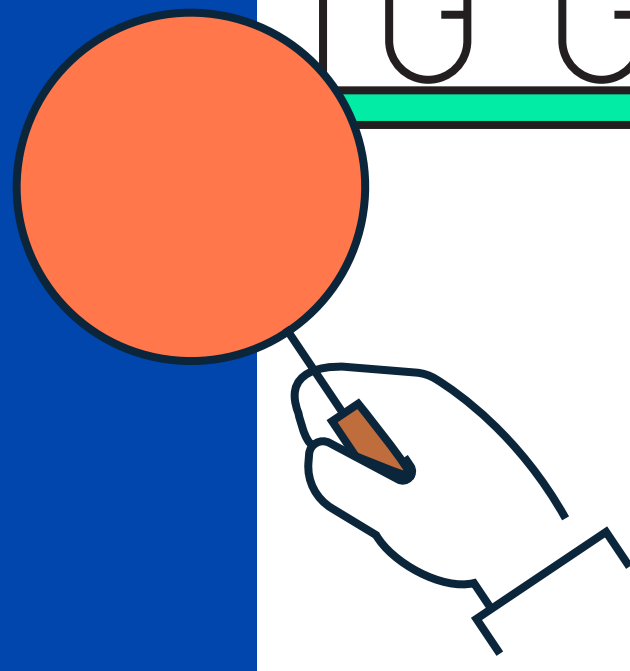


# Everything you need to know about PFAS

What to know about 'forever chemicals'



## What are PFAS?

Per- and polyfluoroalkyl substances (PFAS) are man-made chemicals that are used in many consumer products.

### Where can PFAS be commonly found?

- Food packaging
- Textiles, fashion apparel and footwear
- Children's products
- Firefighting foams
- Chrome plating and paint
- Certain recycled materials

### Common properties of PFAS

- Water, stain and oil-repellent
- Persistent, bioaccumulative and toxic (PBT)
- Stable to higher temperatures, light, chemicals and microorganisms
- Resistance to the natural processes of degradation

## Why should PFAS concern you?

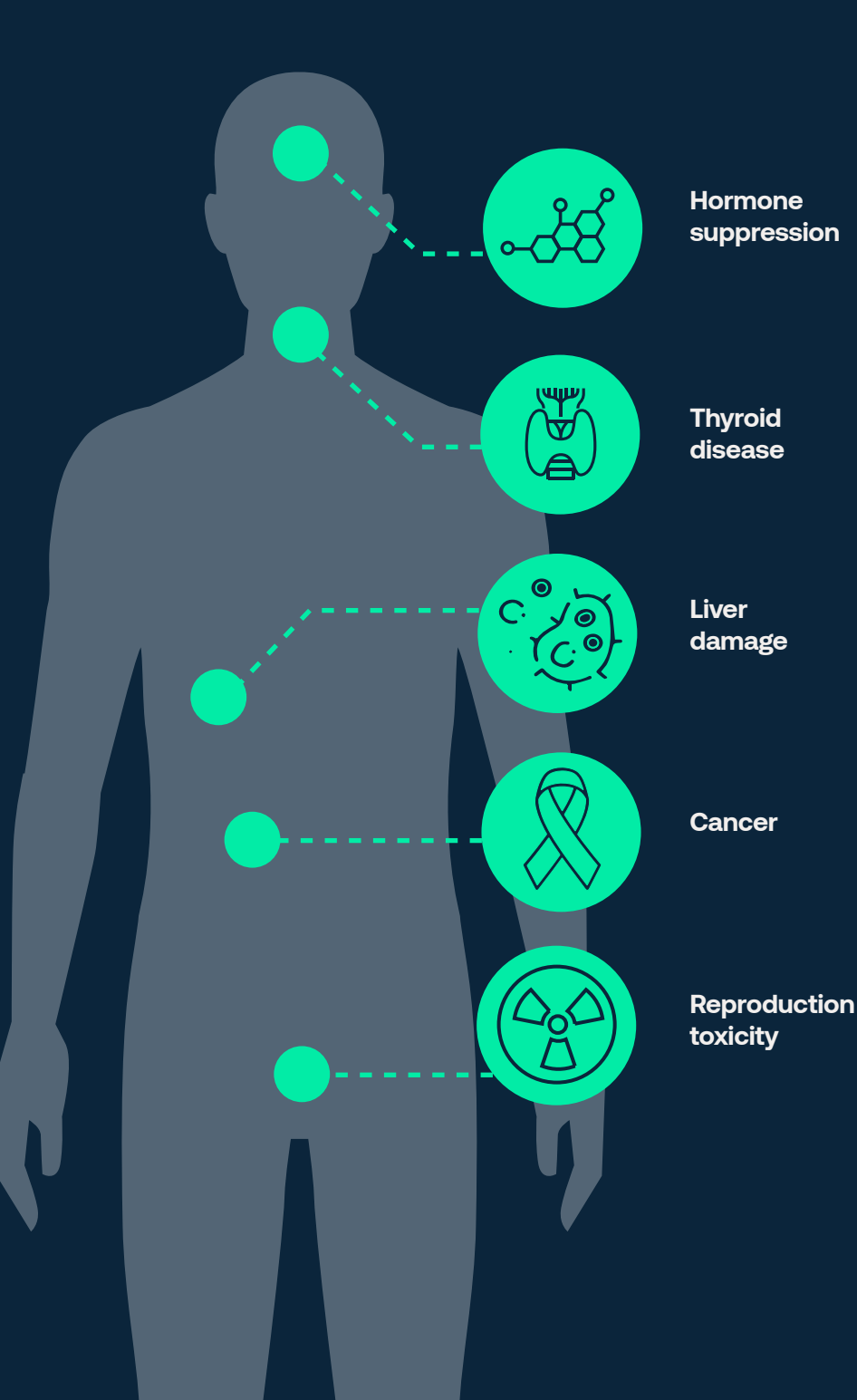
Main areas of PFAS concern for brands, manufacturers and retailers

### Safety & environment

Global concern due to cases of human exposure through:

- Contaminated groundwater
- Soil
- Contaminated food
- Other sources

Studies show association between PFAS exposure and adverse health effects, such as:



### Statutory requirements

European Union (EU):



Currently the following PFAS compounds are prohibited:

- PFOS and its derivatives
- PFOA, its salts and related substances
- PFHxS, its salts and related substances
- C9-14 PFCAs (perfluorocarboxylic acids), its salts and related substances

And, in near future, PFHxA, its salts and related substances.



Certain PFAS are categorized as substances of very high concern (SVHC)

United States (U.S.) (from 2023):



At a federal level, PFAS are regulated by the U.S. Environmental Protection Agency (EPA), which requires businesses to report on their use of PFAS in products.



Several U.S. states have proposed legislation regarding the use of PFAS in consumer products.

## How can you minimise PFAS risk?

Take proactive steps and build preventive controls



PFAS testing is necessary:

- To protect the environment and health
- Meet regulatory requirements
- Increase confidence in the safety of your products



By identifying potential risks at an early stage, we help you

- Accelerate time to market for your products
- Mitigate financial losses by ensuring compliance
- Protects your brand image

## How can TÜV SÜD help?

### PFAS testing

- Testing for certain PFAS restricted by EU regulations according to standards such as EN 17681 Part 1 & 2 and ISO 23702 Part 1.
- Screening for Total Organic Fluorine (TOF) content by determining the Total Fluorine (TF) content to meet US state regulations.
- Testing for certain PFAS in chemical formulations, e.g. as listed in the ZDHC MRSL\*

\*A list of chemical substances banned from intentional use in facilities processing textile materials, leather, rubber, foam, adhesives and trim parts in textiles, apparel, and footwear.

### PFAS consulting

- Services to build awareness and understanding of PFAS market requirements based on specific product types for your business.
- Complete range of chemical testing, certification, auditing and advisory services for consumer product regulations and standards.
- Global network of accredited laboratories can assess products to assure compliance with national and international regulations and standards.



For more information, please visit our website or contact us.

**Add value. Inspire trust.**

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