



The latest trends, services & promotions

EU Regulates C₉-C₁₄ Perfluorocarboxylic Acids (PFCA) under REACH

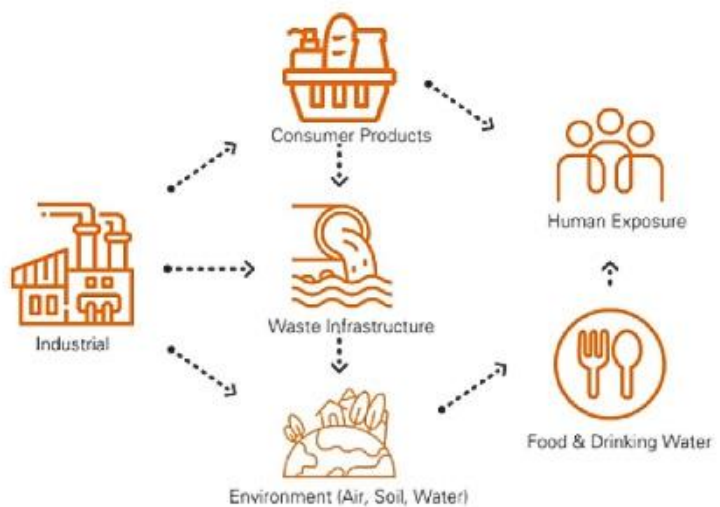


The EU has added C₉-C₁₄ PFCAs and C₉-C₁₄ PFCA-related substances under ANNEX XVII of REACH. The new law will become effective on February 25, 2023.

Yet, the requirements and the use of the symbols are not harmonized between countries & jurisdictions, stakeholders are confused to figure out exactly which and how to use these symbols, especially for those having a broad target market.

Because of their unique physical and chemical properties, PFCAs are widely used in the development of consumer products such as non-sticking, water- and oil-repellent materials in cookware. However, such fluorine-containing substances are persistent, bio-accumulative, and toxic.

If used persistently, not only will they continue to pollute the environment, but also cause serious and irreversible harm to human health.



The following C₉-C₁₄ PFCAs are in the Candidate List of substances of very high concern (SVHCs):

- Perfluorononan-1-oic acid (PFNA) and its sodium and ammonium salts
- Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts
- Hencosafluoroundecanoic acid (PFUnDA)
- Tricosafuorododecanoic acid (FPDoDA)
- Pentacosafuorotridecanoic acid (PFTrDA)
- Heptacosafuorotetradecanoic acid (PFTDA)

Highlights of new entry 68 to Annex XVII of REACH in the new law are shown below:

Effective Date	Restriction Details
25 February 2023	1. Shall not be manufactured, or placed on the market as substances on their own
	2. Shall not be used in, or placed on the market in: <ul style="list-style-type: none"> a) another substance, as a constituent; b) a mixture; c) an article, except if the concentration in the substance, the mixture, or the article is below 25 ppb for the sum of C₉-C₁₄ PFCAs and their salts or 260 ppb for the sum of C₉-C₁₄ PFCA-related substances
Definitions: <ul style="list-style-type: none"> • Linear and branched perfluorocarboxylic acids of the formula C_nF_{2n+1}-C(=O)OH where n = 8, 9, 10, 11, 12, or 13 (C₉-C₁₄ PFCAs), including their salts, and any combinations thereof; • Any C₉-C₁₄ PFCA-related substance having a perfluoro group with the formula C_nF_{2n+1}- directly attached to another carbon atom, where n = 8, 9, 10, 11, 12, or 13, including their salts and any combinations thereof; • Any C₉-C₁₄ PFCA-related substance having a perfluoro group with the formula C_nF_{2n+1}- that it is not directly attached to another carbon atom, where n = 9, 10, 11, 12, 13 or 14 as one of the structural elements, including their salts and any combinations thereof. 	

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