



European Union's regulatory activities on PFCs

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Content

- PFOS and PFOS related substances
- PFOA and PFOA related substances
- Other PFCs

PFOS and PFOS related substances

Restriction history:

- Directive 2006/122/EC amending Directive 76/769/EEC related to restrictions on the marketing and use of certain dangerous substances and preparations
- Regulation 552/2009 amending REACH Regulation as regards Annex XVII
- Regulation 757/2010 amending the Regulation 850/2004 on Persistent Organic Pollutants

PFOS and PFOS related substances

- Substance definition: $C_8F_{17}SO_2X$
 - X = OH, Metal salt (O-M⁺), halide, amide, and other derivatives including polymers
- The production, placing on the market and use of substances whether on their own, in preparations or as constituent of articles is prohibited
- Use of articles already in use in the Union before 25 August 2010 is allowed
- Fire-fighting foams that were placed on the market before 27 December 2006 may be used until 27 June 2011

PFOS and PFOS related substances

- Derogations from prohibition for:
 - Until 26 August 2015, wetting agents for use in controlled electroplating systems;
 - Photoresists or anti reflective coatings for photolithography processes;
 - Photographic coatings applied to films, papers, or printing plates;
 - Mist suppressants for non-decorative hard chromium (VI) plating in closed loop systems;
 - Hydraulic fluids for aviation
- Review of derogations as soon as safer alternatives available

PFOS and PFOS related substances

- The derogations shall be reviewed as soon as safer alternatives are available
- Enforcement
 - ➔ April 2007 – work on development of European Standard for testing PFOS has started by European Committee for Standardisation (CEN)
 - ➔ August 2010 – Technical Specification CEN/TS 15968 adopted:

Determination of extractable PFOS in coated and impregnated solid articles, liquids and fire-fighting foams – Method for sampling, extraction and analysis by LC-qMS or LC-tandem/MS

PFOA and PFOA related substances

- The study "Analysis of the risks arising from the industrial use of Perfluorooctanoic acid (PFOA) and Ammonium Perfluorooctanoate (APFO) and from their use in consumer articles. Evaluation of the risk reduction measures for potential restrictions on the manufacture, placing on the market and use of PFOA and APFO" by RPS, January 2010

→ http://ec.europa.eu/enterprise/sectors/chemicals/files/docs_studies/final_report_pfoa_pfos_en.pdf

- Workshop on "Perfluorooctanoic acid and its ammonium salt – Production, use and risk", 4 May 2010, Brussels

→ http://ec.europa.eu/enterprise/sectors/chemicals/reach/events/index_en.htm

Other PFCs

- Regulation 1907/2006 concerning Registration, Evaluation, Authorisation and Restrictions of Chemicals (REACH)
- Registration Deadline **30 November 2010** for
 - ➔ Substances at quantities >1000 t/annum
 - ➔ CMRs Cat. 1A and 1B at quantities > 1 t/annum
 - ➔ R50/53 (very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment) at quantities > 100 t/annum
- Reg. deadline **31 May 2013** >100 t/annum substance
- Reg. deadline **31 May 2018** >1 t/annum substances

Other PFCs

- List of substances identified for registration in 2010
 - http://echa.europa.eu/chem_data/list_registration_2010_en.asp
 - It is based on the feedback received from companies
 - Today the list contains **4742** substances of which **2128** are already registered
- The list of substances identified for registration in 2010 contains several PFCs
- Information on registered substances from registration dossiers available at ECHA website

→ <http://apps.echa.europa.eu/registered/registered-sub.aspx>

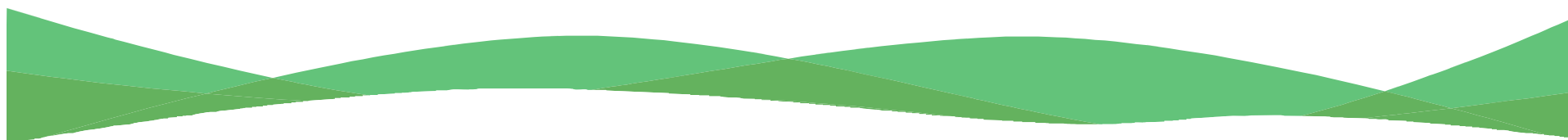
Other PFCs

■ Evaluation

- Compliance check
- Examination of testing proposals
- Substance evaluation

- Each year by 28 February ECHA will publish a report describing the progress it has made on evaluation

→ http://echa.europa.eu/chem_data/evaluation_report_en.asp



Other PFCs

Authorisation

Restrictions

Harmonised Classification
and Labelling

- Registry of intentions for Annex XV dossiers
 - http://echa.europa.eu/chem_data/reg_intentions_en.asp
 - Current intentions, Submitted dossiers, Withdrawn intentions
- Submitted dossiers for Harmonised Classification and Labelling
 - PFOA and its salts Repr.Cat. 2, Carc.Cat. 3
 - 1,1,2,2-tetrahydroperfluoro-1-decanol T, R 48

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