



Coordinating Informational Service Center

for CIS enterprises.

Assistance in the field of chemical product safety.

RUSSIA:

Chemical legislation in the area of Perfluorinated chemicals

Anna Makarova

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International conventions

- **Helsinki Convention (HELCOM)**

- approved by the RF Government Decree of October 5, 1998. № 1202



- **Stockholm Convention (on PFOS)**

- RF is ratified this Convention on 17 June 2011



Helsinki Convention (HELCOM)

Organohalogen compounds are generally recognized as harmful substances according to Annex I HELCOM

Also HELCOM has identified 11 hazardous substances and groups of substances that are particular risk for the Baltic Sea, inter alia:

4b) Perfluorooctanoic acid (PFOA)

- soldering fluxes for tin plating
- as stain-resistant and anti-friction agent
- impurities in polytetrafluoroethylene or fluoropolymer coatings
- ancillary for processing and production of fluoropolymers
- is found in a fluoropolymer, so it can be created through the transformation or metabolism of substances such as telomers (polyfluorinated) alcohols etc.

4a) Perfluorooctane sulfonate (PFOS)

- Surfactant in the polishing-paste and mastics
- as surfactants in the chrome-plating
- as foam to extinguish fires
- as surfactants in industrial and household cleaning products;
- as fire-retardant composition corrosion inhibitors and surfactants in fluid power system
- as water-repellent oil-repellent agent in the processing of surfaces etc.



The largest producer of perfluorinated chemicals in Russia is Kirov-Chepetsk Chemical Plant



Stockholm Convention (on PFOS)

Federal Law N164-FZ of 27 June 2011 «On Ratification of the Stockholm Convention on Persistent Organic Pollutants»



At present we are working on harmonize the Russian legislation in accordance with Stockholm Convention.

This process includes collecting materials and data about perfluorinated compounds that imported and exported from the territory of the Russian Federation.



SNiP (construction norms & regulations) SanPiN (sanitary norms and regulations)

SanPiN 2.1.4.1074-01. Drinking water Hygienic requirements for water quality of centralized drinking water supply. Quality control

Substance	The value of standard	Harmful index	Hazard Category
Perfluorovaleric acid	0,7	sanitary-toxicological	2
2,2,3,3,4,4,5,5,6,6,7,7-Dodecafluoroheptanoicacid	1,0	sanitary-toxicological	2

Guidance R 2.2.2006 – 05 Guide on Hygienic Assessment of Factors of Working Environment and Work Load. Criteria and Classification of Working Conditions

	MPC	Aggregative state
Perfluoroisobutylene	0,1	vapour



Hygienic and environmental rating

Perfluoroheptanoic acid:

- $TSEL_{\text{working air}} = 1 \text{ mg/m}^3$

(according to GN 2.1.6.2309-07 "Tentative safe exposure level (TSEL) of pollutants in the air of settlements")

- $MAC_{\text{water}} = 1 \text{ mg/m}^3$, sanitary-toxicological harmful index, hazard category 3

(according to GN 2.1.5.1315-03 "Maximum Allowable Concentrations (MAC) of Chemical Substances Contained in Water of Water Bodies for Economic-Potable and Social-Domestic Water Use")



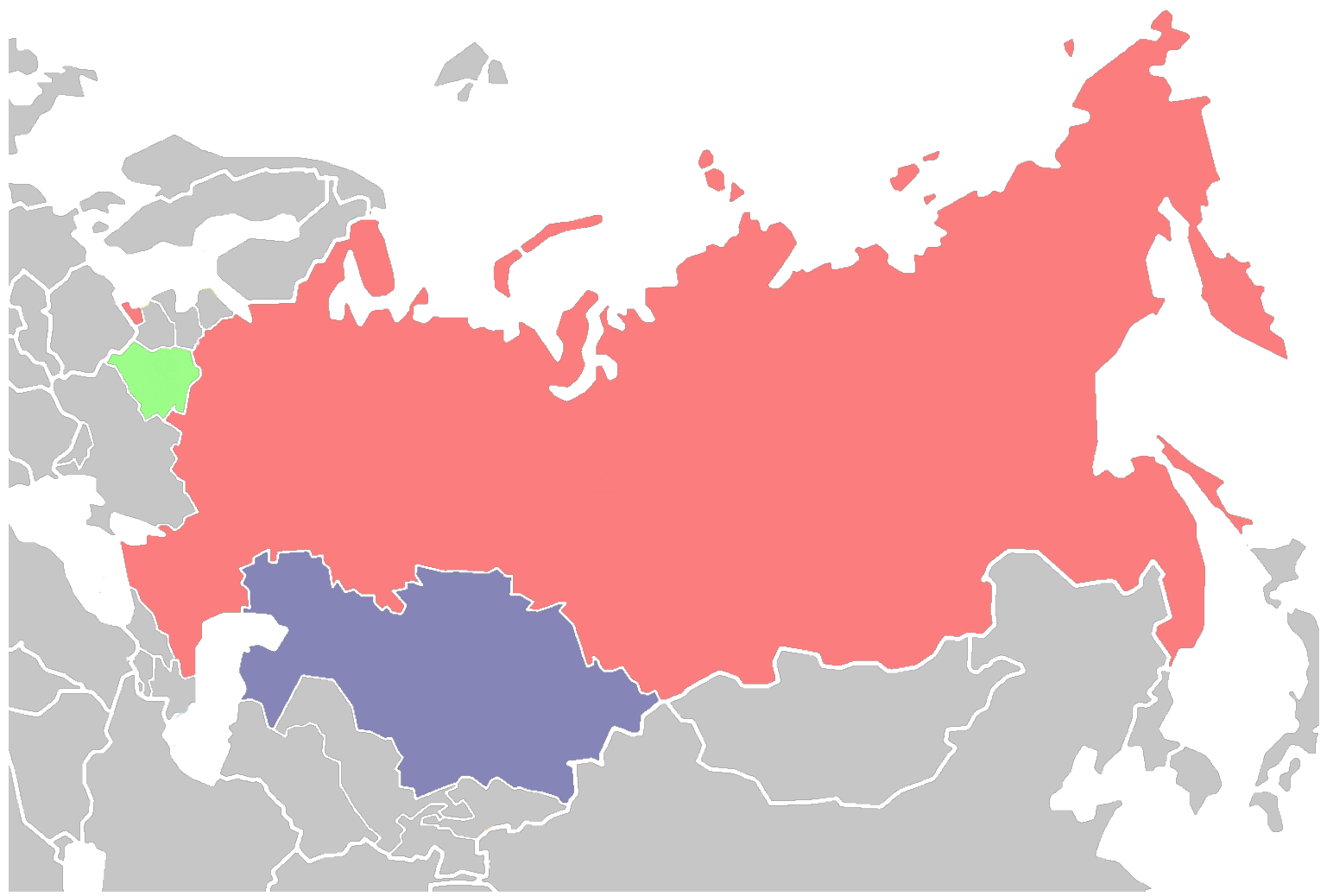
Perfluoropropionic acid:

- $MPC = 2 \text{ mg/m}^3$, vapor, hazard category 3

(according to GN 2.2.5.1313-03 "Maximum permissible concentrations (MPC) of harmful substances in the working zone air")



Customs Union (CU) of Belarus, Kazakhstan and Russia



Substances prohibited from being imported into the customs territory of the Customs Union



Plant protection products are prohibited for import into the customs territory of the Customs Union within the scope of Annex A and B of the Stockholm Convention on Persistent Organic Pollutants, signed in Stockholm on 22 May 2001.

Currently there are no perfluorinated compounds



Draft Technical regulation of Custom Union «On safety of chemical products»

Lists:

- Chemicals substances that are prohibited for use
- Chemicals substances that are restricted for use



Chemicals substances that are restricted for use

- Cancerogenic
- Mutagenic
- Toxic to reproduction
- Persistent and (or) bio-accumulative and toxic (PBT)
- Very persistent, very bio-accumulative



Thank you for your attention!

Anna Makarova

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