

Statement on Regulation (EU) 2024/573 on Fluorinated Greenhouse Gases



The objective of Regulation (EU) 2024/573 is to protect the environment by reducing emissions of fluorinated greenhouse gases.

Three main regulatory approaches aim to reduce fluorinated greenhouse gas emissions:

1. Introduction of a gradual phase-down of the quantities of hydrofluorocarbons (HFCs) available on the market to one-fifth of the 2024 level by 2030 in tonnes of CO₂ equivalents
2. Prohibitions on use and placement on the market, insofar as technically feasible and more climate friendly alternatives are available
3. Continuation and expansion of the scope of regulations concerning leak tests, certification, disposal and labelling

Regulation (EU) 2024/573 applies to:

(a) the fluorinated greenhouse gases listed in Annexes I, II and III (of Regulation (EU) 2024/573), whether alone or as mixtures; and

(b) products and equipment, and parts thereof, containing fluorinated greenhouse gases or whose functioning relies upon those gases.

To the best of our knowledge the products of Covestro Deutschland AG and its affiliates seated in member states of the European Union (EU) or the European Free Trade Association (EFTA) do not intentionally contain the following Fluorinated Greenhouse Gases (as listed in Annex I, II and III of Regulation (EU) 2024/573) and therefore these substances are not expected to be present above limit values, if applicable. The presence of analytically detectable traces, which have possibly been introduced via raw materials, auxiliaries and additives, cannot be excluded. Specific analyses to measure such traces have not been performed on raw materials or final products.

Annex I, Section 1: Hydrofluorocarbons (HFCs)

HFC-23	trifluoromethane (fluoroform)	CHF ₃
HFC-32	difluoromethane	CH ₂ F ₂
HFC-41	fluoromethane (methyl fluoride)	CH ₃ F
HFC-125	pentafluoroethane	CHF ₂ CF ₃
HFC-134	1,1,2,2-tetrafluoroethane	CHF ₂ CHF ₂
HFC-134a	1,1,1,2-tetrafluoroethane	CH ₂ FCF ₃
HFC-143	1,1,2-trifluoroethane	CH ₂ FCHF ₂
HFC-143a	1,1,1-trifluoroethane	CH ₃ CF ₃
HFC-152	1,2-difluoroethane	CH ₂ FCH ₂ F
HFC-152a	1,1-difluoroethane	CH ₃ CHF ₂
HFC-161	fluoroethane (ethyl fluoride)	H ₃ CH ₂ F
HFC-227ea	1,1,1,2,3,3,3-heptafluoropropane	CF ₃ CHF ₂ CF ₃
HFC-236cb	1,1,1,2,2,3-hexafluoropropane	CH ₂ FCF ₂ CF ₃
HFC-236ea	1,1,1,2,3,3-hexafluoropropane	CHF ₂ CHF ₂ CF ₃
HFC-236fa	1,1,1,3,3,3-hexafluoropropane	CF ₃ CH ₂ CF ₃

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HFC-245ca	1,1,2,2,3-pentafluoropropane	CH ₂ FCF ₂ CHF ₂
HFC-245fa	1,1,1,3,3-pentafluoropropane	CHF ₂ CH ₂ CF ₃
HFC-365 mfc	1,1,1,3,3-pentafluorobutane	CF ₃ CH ₂ CF ₂ CH ₃
HFC-43-10 mee	1,1,1,2,2,3,4,5,5,5-decafluoropentane	CF ₃ CHFCHFCF ₂ CF ₃

Annex I, Section 2: Perfluorocarbons (PFCs)

PFC-14	tetrafluoromethane (perfluoromethane, carbon tetrafluoride)	CF ₄
PFC-116	hexafluoroethane (perfluoroethane)	C ₂ F ₆
PFC-218	octafluoropropane (perfluoropropane)	C ₃ F ₈
PFC-3-1-10 (R-31-10)	decafluorobutane (perfluorobutane)	C ₄ F ₁₀
PFC-4-1-12 (R-41-12)	dodecafluoropentane (perfluoropentane)	C ₅ F ₁₂
PFC-5-1-14 (R-51-14)	tetradecafluorohexane (perfluorohexane)	C ₆ F ₁₄
PFC-c-318	octafluorocyclobutane (perfluorocyclobutane)	c-C ₄ F ₈
PFC-9-1-18 (R-91-18)	Perfluorodecalin	C ₁₀ F ₁₈
PFC-4-1-14 (R-41-14)	perfluoro-2-methylpentane	i-C ₆ F ₁₄

Annex I, Section 3: Other (per)fluorinated compounds and fluorinated nitriles

sulphur hexafluoride	SF ₆
Heptafluoroisobutyronitrile (2,3,3,3-tetrafluoro-2-(trifluoromethyl)- propanenitrile)	i-C ₃ F ₇ CN

Exemptions:

Some BAYDUR, BAYFIT, BAYFLEX, BAYMER, BAYSAFE, BAYTHERM and BAYSEAL polyol mixtures contain fluorinated blowing agents. In these cases, the content of fluorinated blowing agents is always above 0.1% and their presence is indicated in section 3 "Composition" of the Covestro Safety Data Sheet issued for products marketed by Covestro Deutschland AG and its affiliates in member states of the EU or the EFTA.

Version 6. The information contained herein is believed to be accurate as of the date of this document. If any of the above mentioned regulations change after the date of declaration, this information is no longer valid.

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