



Persistent Organic Pollutants

APPLICATION FOR JUVENILE PRODUCTS IN THE EU

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BACKGROUND

Persistent organic pollutants (POP) are toxic chemicals that adversely affect human health and the environment around the world. Because they can be transported by wind and water, most POP generated in one country can and do affect people and wildlife far from where they are used and released. They persist for long periods of time in the environment and can accumulate and pass from one species to another through the food chain.

To address the continuous release of POP into the environment, the European Community ratified the Protocol in April 2004 and the Stockholm Convention in November 2004. These agreements were transposed into Union law by Regulation (EU) 2019/1021 on persistent organic pollutants (recast) – POP Recast Regulation.

SUBSTANCES LISTED UNDER PART A TO ANNEX I OF REGULATION (EU) 2019/1021 ON PERSISTENT ORGANIC POLLUTANTS (POP)

Please be informed that the POP chemicals listed in this document are under European regulations.

SUBSTANCES	SPECIFIC EXEMPTION IN INTERMEDIATE USE OR OTHER SPECIFICATION ²	POSSIBLE APPLICATION	MAIN MATERIALS OF CONCERN	RELEVANCY ³
Polybrominated diphenyl ethers: Tetra-BDE Penta-BDE Hexa-BDE Hepta-BDE Deca-BDE	Mixtures or articles: ≤ 10 mg/kg (sum) Mixtures or articles containing or made of recovered material: ≤ 500 mg/kg (sum) ≤ 350 mg/kg (sum) from December 30, 2025 ≤ 200 mg/kg (sum) from December 30, 2027)	Flame retardant	Polymers (plastics) Textiles	I

SUBSTANCES	SPECIFIC EXEMPTION IN INTERMEDIATE USE OR OTHER SPECIFICATION ²	POSSIBLE APPLICATION	MAIN MATERIALS OF CONCERN	RELEVANCY ³
<p>Polybrominated diphenyl ethers (Continued): Tetra-BDE Penta-BDE Hexa-BDE Hepta-BDE Deca-BDE</p>	<p>Toys or products facilitating children's seating, sleep, relaxation, hygiene, changing and general body care, feeding, sucking, transportation and protection: ≤ 500 mg/kg (sum) ≤ 350 mg/kg from December 30, 2025 ≤ 10 mg/kg (sum) from May 17, 2027</p> <p>Exemption: Food contact materials Electrical and electronic equipment (EEE) in Directive 2011/65/EC (RoHS Recast)</p>	<p>Flame retardant</p>	<p>Polymers (plastics) Textiles</p>	<p>I</p>
<p>Perfluorooctane sulfonic acid and its derivatives (PFOS)</p>	<p>PFOS in substances or mixtures ≤ 0.1% PFOS in semi-finished products or articles < 1 µg/cm² PFOS in coated materials, including textiles</p>	<p>Anti-stain, water, grease, oil and/or dirt agent</p>	<p>Textiles, paper, leather</p>	<p>II*</p>
<p>DDT (1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane)</p>	<p>Prohibited</p>	<p>Pesticide</p>	<p>Traces may be found in natural textiles (cotton)</p>	<p>II</p>

SUBSTANCES	SPECIFIC EXEMPTION IN INTERMEDIATE USE OR OTHER SPECIFICATION ²	POSSIBLE APPLICATION	MAIN MATERIALS OF CONCERN	RELEVANCY ³
Chlordane	Prohibited	Pesticide	Traces may be found in natural textiles (cotton)	II
Hexachlorocyclo-hexanes, including lindane	Prohibited	Pesticide	Traces may be found in natural textiles (cotton)	II
Dieldrin	Prohibited	Pesticide	Traces may be found in natural textiles (cotton)	II
Endrin	Prohibited	Pesticide	Traces may be found in natural textiles (cotton)	II
Heptachlor	Prohibited	Pesticide	Traces may be found in natural textiles (cotton)	II
Endosulfan	Prohibited	Pesticide	Traces may be found in natural textiles (cotton)	II
Hexachlorobenzene	≤ 10 mg/kg in substances, mixtures or articles	Pesticide	Traces may be found in natural textiles (cotton)	II
Chlordecone	Prohibited	Pesticide	Traces may be found in natural textiles (cotton)	II
Aldrin	Prohibited	Pesticide	Traces may be found in natural textiles (cotton)	II
Pentachlorobenzene	Prohibited	Dye carrier for synthetic fibers	Dyeing of synthetic fibers such as polyesters and blended fibers	II

SUBSTANCES	SPECIFIC EXEMPTION IN INTERMEDIATE USE OR OTHER SPECIFICATION ²	POSSIBLE APPLICATION	MAIN MATERIALS OF CONCERN	RELEVANCY ³
Polychlorinated biphenyls (PCB)	Prohibited	Flame retardant	Coated textiles	II
Mirex	Prohibited	Pesticide	Traces may be found in natural textiles (cotton)	II
Toxaphene	Prohibited	Pesticide	Traces may be found in natural textiles (cotton)	II
Hexabromobiphenyl	Prohibited	Flame retardant	Plastics, textiles	II
Hexabromocyclododecane (HBCDD) and its main diastereoisomers: Alpha-HBCDD Beta-HBCDD Gamma-HBCDD	≤ 100 mg/kg in substances, mixtures, articles or as constituents of the flame retarded articles	Flame retardant	Plastics, textiles	II
Hexachlorobutadiene	Prohibited		Rubber, lubricants	II
Pentachlorophenol and its salts and esters	≤ 5 mg/kg in substances, mixtures or articles	Pesticide Wood preservative	Textiles, leather, wood	II
Polychlorinated naphthalenes (PCNs)	Prohibited	Lubricant Flame retardant Wood preservative	Plastics, rubber, textiles	II

SUBSTANCES	SPECIFIC EXEMPTION IN INTERMEDIATE USE OR OTHER SPECIFICATION ²	POSSIBLE APPLICATION	MAIN MATERIALS OF CONCERN	RELEVANCY ³
Alkanes C ₁₀ -C ₁₃ , chloro (short- chain chlorinated paraffins) (SCCPs)	< 1.0% (constituent of substances or mixtures) < 0.15% in articles	Flame retardant Plasticizer	Plastics, coatings, rubber	I
Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds	Substances, mixtures or articles: ≤ 0.025 mg/kg for PFOA and any of its salts ≤ 1 mg/kg for each PFOA-related compound and a combination of PFOA- related compounds	Anti-stain, water, grease, oil and/or dirt agent	Textiles, paper, leather	II*
Dicofol	Prohibited	Pesticide	Traces may be found in natural textiles (cotton)	II
Perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS- related compounds	Substances, mixtures or articles: ≤ 0.025 mg/kg for PFHxS and any of its salts ≤ 1 mg/kg (sum of all PFHxS-related compounds) ≤ 0.1 mg/kg for concentrated firefighting foam (FFF) mixtures that are to be used in the manufacture of other FFF mixtures	Anti-stain, water, grease, oil and/or dirt agent	Textiles, paper, leather	II*

SUBSTANCES	SPECIFIC EXEMPTION IN INTERMEDIATE USE OR OTHER SPECIFICATION ²	POSSIBLE APPLICATION	MAIN MATERIALS OF CONCERN	RELEVANCY ³
Methoxychlor (any possible isomer of dimethoxydiphenyl trichloroethane or any combination thereof)	Substances, mixtures or articles: ≤ 0.01 mg/kg	Insecticide	Traces may be found in natural textiles (cotton)	II
UV-328	Substances, mixtures or articles: ≤ 100 mg/kg ≤ 10 mg//kg from August 4, 2027 ≤ 1 mg/kg from August 4, 2029	UV absorber to protect surfaces against discoloration and degradation under UV/sunlight	Plastics Paints, coatings and sealants	II*
Dechlorane Plus, including its syn- and anti isomers	Substances, mixtures or articles: ≤ 1,000 mg/kg until April 15, 2028 ≤ 1 mg/kg after April 15, 2028	Flame retardant	Polymers	II*

¹ Please refer to regulation for full details

² For information only and does not replace the content of the regulation.

³ Relevancy: indicates the level of importance for juvenile products:

I: clear and directly applicable regulation and limits

II: concerns substances that may be used in manufacturing process of Juvenile Products, surveillance needed

II*: substances that may be used in manufacturing process of Juvenile Products, with more precise concerns & possible applications

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