

Changes to legislation: There are currently no known outstanding effects for the Regulation (EU) 2019/1021 of the European Parliament and of the Council, ANNEX IV. (See end of Document for details)

ANNEX IV

List of substances subject to waste management provisions set out in Article 7

Substance	CAS No	EC No	Concentration limit referred to in Article 7(4)(a)
Endosulfan	115-29-7 959-98-8 33213-65-9	204-079-4	50 mg/kg
Hexachlorobutadiene	87-68-3	201-765-5	100 mg/kg
Polychlorinated naphthalenes ^a			10 mg/kg
Alkanes C ₁₀ -C ₁₃ , chloro (short-chain chlorinated paraffins) (SCCPs)	85535-84-8	287-476-5	10 000 mg/kg
Tetrabromodiphenyl ether C ₁₂ H ₆ Br ₄ O	40088-47-9 and others	254-787-2 and others	Sum of the concentrations of tetrabromodiphenyl ether, pentabromodiphenyl ether, hexabromodiphenyl ether, heptabromodiphenyl ether and
Pentabromodiphenyl ether C ₁₂ H ₅ Br ₅ O	32534-81-9 and others	251-084-2 and others	
Hexabromodiphenyl ether C ₁₂ H ₄ Br ₆ O	36483-60-0 and others	253-058-6 and others	
Heptabromodiphenyl ether C ₁₂ H ₃ Br ₇ O	68928-80-3 and others	273-031-2 and others	

a Polychlorinated naphthalenes means chemical compounds based on the naphthalene ring system, where one or more hydrogen atoms have been replaced by chlorine atoms.

b The limit is calculated as PCDD and PCDF according to the following toxic equivalency factors (TEFs):

PCDD	TEF		PCDF	TEF		PCDD	TEF
2,3,7,8-TeCDD	1		2,3,7,8-TeCDF	0,1		1,2,3,6,7,8-HxCDF	0,1
1,2,3,7,8-PeCDD	1		1,2,3,7,8-PeCDF	0,03		1,2,3,7,8,9-HxCDF	0,1
1,2,3,4,7,8-HxCDD	0,1		2,3,4,7,8-PeCDF	0,3		2,3,4,6,7,8-HxCDF	0,1
1,2,3,6,7,8-HxCDD	0,1		1,2,3,4,7,8-HxCDF	0,1		1,2,3,4,6,7,8-HpCDF	0,01
1,2,3,7,8,9-HxCDD	0,1					1,2,3,4,7,8,9-HpCDF	0,01
1,2,3,4,6,7,8-HpCDD	0,01					OCDF	0,0003
OCDD	0,0003						

c The calculation method laid down in European standards EN 12766-1 and EN 12766-2 shall apply.

d 'Hexabromocyclododecane' means hexabromocyclododecane, 1,2,5,6,9,10-hexabromocyclododecane and its main diastereoisomers: alpha-hexabromocyclododecane, beta-hexabromocyclododecane and gamma-hexabromocyclododecane.

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Decabromodiphenyl ether C ₁₂ Br ₁₀ O	1163-19-5 and others	214-604-9 and others	decabromodiphenyl ether: 1 000 mg/kg. The [F ¹ appropriate authority] shall review that concentration limit and shall, where appropriate F ² ..., adopt a legislative proposal to lower that value to 500 mg/kg. The [F ³ appropriate authority] shall carry out such review as soon as possible and, in any event, not later than 16 July 2021.
Perfluorooctane sulfonic acid and its derivatives (PFOS) C ₈ F ₁₇ SO ₂ X (X = OH, Metal salt (O-M ⁺), halide, amide, and other derivatives including polymers)	1763-23-1 2795-39-3 29457-72-5 29081-56-9 70225-14-8 56773-42-3 251099-16-8 4151-50-2 31506-32-8 1691-99-2 24448-09-7 307-35-7 and others	217-179-8 220-527-1 249-644-6 249-415-0 274-460-8 260-375-3 223-980-3 250-665-8 216-887-4 246-262-1 206-200-6 and others	50 mg/kg

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PCDD	TEF		PCDF	TEF		PCDD	TEF
2,3,7,8-TeCDD	1		2,3,7,8-TeCDF	0,1		1,2,3,6,7,8-HxCDF	0,1
1,2,3,7,8-PeCDD	1		1,2,3,7,8-PeCDF	0,03		1,2,3,7,8,9-HxCDF	0,1
1,2,3,4,7,8-HxCDD	0,1		2,3,4,7,8-PeCDF	0,3		2,3,4,6,7,8-HxCDF	0,1
1,2,3,6,7,8-HxCDD	0,1		1,2,3,4,7,8-HxCDF	0,1		1,2,3,4,6,7,8-HpCDF	0,01
1,2,3,7,8,9-HxCDD	0,1					1,2,3,4,7,8,9-HpCDF	0,01
1,2,3,4,6,7,8-HpCDD	0,01					OCDF	0,0003
OCDD	0,0003						

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Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)			15 µg/kg ^b
DDT (1,1,1-trichloro-2,2-bis (4-chlorophenyl)ethane)	50-29-3	200-024-3	50 mg/kg
Chlordane	57-74-9	200-349-0	50 mg/kg
Hexachlorocyclohexanes including lindane	58-89-9 319-84-6 319-85-7 608-73-1	210-168-9 200-401-2 206-270-8 206-271-3	50 mg/kg
Dieldrin	60-57-1	200-484-5	50 mg/kg
Endrin	72-20-8	200-775-7	50 mg/kg
Heptachlor	76-44-8	200-962-3	50 mg/kg
Hexachlorobenzene	118-74-1	204-273-9	50 mg/kg
Chlordecone	143-50-0	205-601-3	50 mg/kg
Aldrin	309-00-2	206-215-8	50 mg/kg
Pentachlorobenzene	608-93-5	210-172-0	50 mg/kg
Polychlorinated Biphenyls (PCB)	1336-36-3 and others	215-648-1	50 mg/kg ^c
Mirex	2385-85-5	219-196-6	50 mg/kg

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PCDD	TEF		PCDF	TEF		PCDD	TEF
2,3,7,8-TeCDD	1		2,3,7,8-TeCDF	0,1		1,2,3,6,7,8-HxCDF	0,1
1,2,3,7,8-PeCDD	1		1,2,3,7,8-PeCDF	0,03		1,2,3,7,8,9-HxCDF	0,1
1,2,3,4,7,8-HxCDD	0,1		2,3,4,7,8-PeCDF	0,3		2,3,4,6,7,8-HxCDF	0,1
1,2,3,6,7,8-HxCDD	0,1		1,2,3,4,7,8-HxCDF	0,1		1,2,3,4,6,7,8-HpCDF	0,01
1,2,3,7,8,9-HxCDD	0,1					1,2,3,4,7,8,9-HpCDF	0,01
1,2,3,4,6,7,8-HpCDD	0,01					OCDF	0,0003
OCDD	0,0003						

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Toxaphene	8001-35-2	232-283-3	50 mg/kg
Hexabromobiphenyl	36355-01-8	252-994-2	50 mg/kg
Hexabromocyclododecane	25037-99-4, 3194-55-6, 134237-50-6, 134237-51-7, 134237-52-8	247-148-4 221-695-9	1 000 mg/kg F4 ...

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2,3,7,8- TeCDD	1		2,3,7,8- TeCDF	0,1		1,2,3,6,7,8- HxCDF	0,1
1,2,3,7,8- PeCDD	1		1,2,3,7,8- PeCDF	0,03		1,2,3,7,8,9- HxCDF	0,1
1,2,3,4,7,8- HxCDD	0,1		2,3,4,7,8- PeCDF	0,3		2,3,4,6,7,8- HxCDF	0,1
1,2,3,6,7,8- HxCDD	0,1		1,2,3,4,7,8- HxCDF	0,1		1,2,3,4,6,7,8- HpCDF	0,01
1,2,3,7,8,9- HxCDD	0,1					1,2,3,4,7,8,9- HpCDF	0,01
1,2,3,4,6,7,8- HpCDD	0,01					OCDF	0,0003
OCDD	0,0003						

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Textual Amendments

- F1** Words in Annex 4 substituted (31.12.2020) by The Persistent Organic Pollutants (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1358), regs. 2(2), **27(2)(a)(i)**
- F2** Words in Annex 4 omitted (31.12.2020) by virtue of The Persistent Organic Pollutants (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1358), regs. 2(2), **27(2)(a)(ii)**
- F3** Words in Annex 4 substituted (31.12.2020) by The Persistent Organic Pollutants (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1358), regs. 2(2), **27(2)(b)**
- F4** Words in Annex 4 omitted (31.12.2020) by virtue of The Persistent Organic Pollutants (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1358), regs. 2(2), **27(3)**

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