

Status: Point in time view as at 30/09/2016.

Changes to legislation: There are outstanding changes not yet made to Regulation (EC) No 850/2004 of the European Parliament and of the Council (repealed). Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

[^{X1}]^{F1} ANNEX IV

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

Editorial Information

- X1** Substituted by [Corrigendum to Regulation \(EC\) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC \(Official Journal of the European Union L 158 of 30 April 2004\)](#).

Textual Amendments

- F1** Substituted by [Commission Regulation \(EU\) No 1342/2014 of 17 December 2014 amending Regulation \(EC\) No 850/2004 of the European Parliament and of the Council on persistent organic pollutants as regards Annexes IV and V \(Text with EEA relevance\)](#).

Substance	CAS No	EC No	Concentration limit referred to in Article 7(4)(a)
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naphthalenes means chemical compounds based on the naphthalene ring system, where one or more hydrogen atoms have been replaced by chlorine atoms.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	
	2,3,7,8-TeCDD	1	
	1,2,3,7,8-PeCDD	1	
	1,2,3,4,7,8-HxCDD	0,1	
	1,2,3,6,7,8-HxCDD	0,1	
	1,2,3,7,8,9-HxCDD	0,1	
	1,2,3,4,6,7,8-HpCDD	0,01	
	OCDD	0,0003	
	PCDF	TEF	
	2,3,7,8-TeCDF	0,1	
	1,2,3,7,8-PeCDF	0,03	
	2,3,4,7,8-PeCDF	0,3	
	1,2,3,4,7,8-HxCDF	0,1	
	PCDD	TEF	
	1,2,3,6,7,8-HxCDF	0,1	
	1,2,3,7,8,9-HxCDF	0,1	
	2,3,4,6,7,8-HxCDF	0,1	
	1,2,3,4,6,7,8-HpCDF	0,01	
	1,2,3,4,7,8,9-HpCDF	0,01	
	OCDF	0,0003	
c	Where applicable, the calculation method laid down in European standards EN 12766-1 and EN 12766-2 shall apply.		
d	[^{F2} :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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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 C10-C13, 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			Sum of the concentrations of tetrabromodiphenyl ether, pentabromodiphenyl ether, hexabromodiphenyl
Pentabromodiphenyl ether C ₁₂ H ₅ Br ₅ O			

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

c Where applicable, the calculation method laid down in European standards EN 12766-1 and EN 12766-2 shall apply.

d [^{F2}‘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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Hexabromodiphenyl ether C ₁₂ H ₄ Br ₆ O			ether and heptabromodiphenyl ether: 1 000 mg/kg
Heptabromodiphenyl ether C ₁₂ H ₃ Br ₇ O			
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)			50 mg/kg
Polychlorinated dibenzo-p-dioxins			15 µg/kg ^b

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1,2,3,6,7,8-HxCDD	0,1
1,2,3,7,8,9-HxCDD	0,1
1,2,3,4,6,7,8-HpCDD	0,01
OCDD	0,0003
PCDF	TEF
2,3,7,8-TeCDF	0,1
1,2,3,7,8-PeCDF	0,03
2,3,4,7,8-PeCDF	0,3
1,2,3,4,7,8-HxCDF	0,1
PCDD	TEF
1,2,3,6,7,8-HxCDF	0,1
1,2,3,7,8,9-HxCDF	0,1
2,3,4,6,7,8-HxCDF	0,1
1,2,3,4,6,7,8-HpCDF	0,01
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and dibenzofurans (PCDD/PCDF)			
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	200-273-9	50 mg/kg
Chlordecone	143-50-0	205-601-3	50 mg/kg

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PCDF	TEF
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1,2,3,7,8-PeCDF	0,03
2,3,4,7,8-PeCDF	0,3
1,2,3,4,7,8-HxCDF	0,1
PCDD	TEF
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1,2,3,7,8,9-HxCDF	0,1
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Aldrin	309-00-2	206-215-8	50 mg/kg
Pentachlorobenzene	608-93-5	210-172-5	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
Toxaphene	8001-35-2	232-283-3	50 mg/kg
Hexabromobiphenyl	36355-01-8	252-994-2	50 mg/kg
[^{F2} Hexabromocyclododecane]	25627-99-4, 3194-55-6, 134237-50-6, 134237-51-7, 134237-52-8	247-148-4 221-695-9	1 000 mg/kg, subject to review by the Commission by 20.4.2019]

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1,2,3,4,6,7,8-HpCDD	0,01
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2,3,7,8-TeCDF	0,1
1,2,3,7,8-PeCDF	0,03
2,3,4,7,8-PeCDF	0,3
1,2,3,4,7,8-HxCDF	0,1
PCDD	TEF
1,2,3,6,7,8-HxCDF	0,1
1,2,3,7,8,9-HxCDF	0,1
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Textual Amendments

- F2** Inserted by [Commission Regulation \(EU\) 2016/460 of 30 March 2016 amending Annexes IV and V to Regulation \(EC\) No 850/2004 of the European Parliament and of the Council on persistent organic pollutants](#).

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