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Subject:	ANNEX to the COMMISSION REGULATION (EU) .../... amending Annex III to Regulation (EC) 1107/2009 of the European Parliament and of the Council listing co-formulants which are not accepted for inclusion in plant protection products

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Delegations will find attached document D066442/07 ANNEX.

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Encl.: D066442/07 ANNEX



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ANNEX

**ANNEX**

**to the**

**COMMISSION REGULATION (EU) .../...**

**amending Annex III to Regulation (EC) 1107/2009 of the European Parliament and of  
the Council listing co-formulants which are not accepted for inclusion in plant  
protection products**

## ANNEX

Annex III to Regulation (EC) No 1107/2009 is replaced by the following:

### *ANNEX III*

#### **List of co-formulants which are not accepted for inclusion in plant protection products as referred to in Article 27<sup>1</sup>**

No.	Name	EC names/Other names	CAS number	EC number	Classification/Other properties
1.	1-Chloro-2,3-epoxypropane	Epichlorohydrin, 2,3-Epoxypropyl chloride	106-89-8	203-439-8	Carcinogenic cat.1B
2.	1,2- Dichloroethane	1,2-Dichloroethane; Ethane, 1,2-dichloro-	107-06-2	203-458-1	Carcinogenic cat.1B
3.	2-Ethoxyethanol	2-Ethoxyethanol; Ethanol, 2-ethoxy-	110-80-5	203-804-1	Toxic to reproduction cat.1B
4.	2-Ethoxyethyl acetate	2-Ethoxyethanol acetate; Ethanol, 2-ethoxy-, 1-acetate	111-15-9	203-839-2	Toxic to reproduction cat.1B
5.	1-Ethylpyrrolidin-2-one	1-Ethylpyrrolidin-2-one; <i>N</i> -ethyl-2-pyrrolidone	2687-91-4	220-250-6	Toxic to reproduction cat.1B
6.	2-Methoxyethanol	2-Methoxyethanol; Ethanol, 2-methoxy-	109-86-4	203-713-7	Toxic to reproduction cat.1B
7.	2-Methoxyethyl acetate	2-Methoxyethyl acetate; Ethanol, 2-methoxy-, 1-acetate; 2-Methoxyethanol acetate	110-49-6	203-772-9	Toxic to reproduction cat.1B

<sup>1</sup> The limit for the acceptable presence of the substances listed in the table as unintentional impurity in the finished product is 0,1 % (weight by weight (w/w)) except where stated otherwise in this Annex.

No.	Name	EC names/Other names	CAS number	EC number	Classification/Other properties
8.	2-Methoxypropanol	2-Methoxypropanol; 1-Propanol, 2-methoxy-	1589-47-5	216-455-5	Toxic to reproduction cat.1B
9.	1-Methylpyrrolidin-2-one	1-Methyl-2-pyrrolidone; 2-Pyrrolidinone, 1-methyl-	872-50-4	212-828-1	Toxic to reproduction cat.1B
10.	2-Nitropropane	2-Nitropropane; Propane, 2-nitro-	79-46-9	201-209-1	Carcinogenic cat.1B
11.	Amines, tallow alkyl, ethoxylated	Amines, tallow alkyl, ethoxylated; POE-tallowamine	61791-26-2		Concerns or data gaps related to potential effects on human health or the environment
12.	Amines, tallow alkyl, ethoxylated propoxylated	Amines, tallow alkyl, ethoxylated propoxylated; POEP-tallowamine	68213-26-3		Concerns or data gaps related to potential effects on human health or the environment
13.	Asbestos fibres	Actinolite asbestos; Asbestos, actinolyte	77536-66-4		Carcinogenic cat.1A
14.		Amosite asbestos; Asbestos, amosite	12172-73-5		Carcinogenic cat.1A
15.		Anthophyllite asbestos; Asbestos, anthophyllite	77536-67-5		Carcinogenic cat.1A
16.		Chrysotile asbestos; Asbestol, chrysotile	12001-29-5		Carcinogenic cat.1A
17.		Crocidolite asbestos;	12001-28-4		Carcinogenic cat.1A

No.	Name	EC names/Other names	CAS number	EC number	Classification/Other properties
		Asbestos, crocidolite			
18.		Tremolite asbestos; Asbestos, tremolite	77536-68-6		Carcinogenic cat.1A
19.	Benzene	Benzene	71-43-2	200-753-7	Carcinogenic cat.1A / Mutagenic cat.1B
20.	Benzo[def]chrysene; <sup>2</sup> Benzo[ <i>pqr</i> ]tetraphene	Benzo[ <i>def</i> ]chrysene; Benzo[ <i>a</i> ]pyrene	50-32-8	200-028-5	Carcinogenic cat.1B / Mutagenic cat.1B / Toxic to reproduction cat.1B
21.	Bis(2-methylpropyl) benzene-1,2- dicarboxylate	Diisobutyl phthalate	84-69-5	201-553-2	Endocrine disrupting properties (REACH Article 57(f) – Human Health) Toxic to reproduction cat.1B
22.	Boric acid	Boric acid	10043-35-3 11113-50-1	233-139-2 234-343-4	Toxic to reproduction cat.1B
23.	Disodium octaborate	Disodium octaborate; Disodium octaborate anhydrous	12008-41-2	234-541-0	Toxic to reproduction cat.1B
24.	Disodium octaborate, tetrahydrate	Boric acid, disodium salt, tetrahydrate;	12280-03-4	234-541-0	Toxic to reproduction cat.1B
25.	Disodium tetraborate, anhydrous	Disodium tetraborate, anhydrous ; Boron sodium oxide	1330-43-4	215-540-4	Toxic to reproduction cat.1B
26.	Disodium tetraborate, decahydrate	Borax	1303-96-4	215-540-4	Toxic to reproduction

<sup>2</sup> The limit for the acceptable presence of this substance as unintentional impurity in the finished product is 0,01 % (weight by weight (w/w)), corresponding to the specific concentration limit set in Annex VI to Regulation (EC) No 1272/2008.

No.	Name	EC names/Other names	CAS number	EC number	Classification/Other properties
					cat. 1B
27.	Disodium tetraborate, pentahydrate	Boron sodium oxide, hydrated	12179-04-3	215-540-4	Toxic to reproduction cat. 1B
28.	Orthoboric acid, sodium salt	Orthoboric acid, sodium salt; Boric acid, sodium salt	13840-56-7	237-560-2	Toxic to reproduction cat. 1B
29.	Tetraboron disodium heptaoxide, hydrate	Tetraboron disodium heptaoxide, hydrate; Boron sodium oxide, hydrate	12267-73-1	235-541-3	Toxic to reproduction cat. 1B
30.	Buta-1,3-diene	Buta-1,3-diene; 1,3-Butadiene	106-99-0	203-450-8	Carcinogenic cat. 1A / Mutagenic cat. 1B
31.	Butane containing $\geq 0,1$ % butadiene (EC No. 203-450-8)	Butane	106-97-8	203-448-7	Carcinogenic cat. 1A
32.	Co Poly (bisiminoimidocarbonyl, hexamethylene hydrochloride), (iminoimidocarbonyl, hexamethylene hydrochloride)	Guanidine, <i>N,N''</i> -1,6-hexanediyldis[ <i>N'</i> -cyano-, polymer with 1,6-hexanediamine, hydrochloride Poly[iminocarbonimidoyliminocarbonimidoylimino-1, 6-hexanediy], hydrochloride Cyanamide, <i>N</i> -cyano-, compd. with 1,6-hexanediamine (2:1), polymer with 1,6-hexanediamine hydrochloride (1:2); PHMB	27083-27-8 and 32289-58-0 and 1802181-67-4		Not approved for use in biocidal products for product-type 6 (in-can preservatives).
33.	Dibutyl phthalate	<i>n</i> -Butyl phthalate; Dibutyl benzene-1,2-dicarboxylate	84-74-2	201-557-4	Endocrine disrupting properties (REACH Article 57(f) – Human Health) Toxic to reproduction cat. 1B
34.	Distillates (petroleum), hydrotreated heavy naphthenic with a content of $\geq 3.0$ % DMSO-extract (measured by IP 346)		64742-52-5	265-155-0	Carcinogenic cat. 1B

No.	Name	EC names/Other names	CAS number	EC number	Classification/Other properties
35.	Distillates (petroleum), hydrotreated heavy paraffinic with a content of $\geq$ 3.0 % DMSO-extract (measured by IP 346)		64742-54-7	265-157-1	Carcinogenic cat.1B
36.	Distillates (petroleum), hydrotreated light naphthenic with a content of $\geq$ 3.0 % DMSO-extract (measured by IP 346)		64742-53-6	265-156-6	Carcinogenic cat.1B
37.	Distillates (petroleum), hydrotreated light paraffinic with a content of $\geq$ 3.0 % DMSO-extract (measured by IP 346)		64742-55-8	265-158-7	Carcinogenic cat.1B
38.	Distillates (petroleum), solvent-dewaxed heavy paraffinic with a content of $\geq$ 3.0 % DMSO-extract (measured by IP 346)		64742-65-0	265-169-7	Carcinogenic cat.1B
39.	Distillates (petroleum), solvent-refined heavy paraffinic with a content of $\geq$ 3.0 % DMSO-extract (measured by IP 346)		64741-88-4	265-090-8	Carcinogenic cat.1B
40.	Distillates (petroleum), solvent-refined light paraffinic with a content of $\geq$ 3.0 % DMSO-extract (measured by IP 346)		64741-89-5	265-091-3	Carcinogenic cat.1B
41.	Ethylene oxide	Ethylene oxide; Oxyrane; Epoxyethane	75-21-8	200-849-9	Carcinogenic cat.1B/ Mutagenic cat. 1B
42.	Formaldehyde	Formaldehyde; Formalin; Methanal; Formol	50-00-0	200-001-8	Carcinogenic cat.1B
43.	Formamide	Formamide; Methanamide	75-12-7	200-842-0	Toxic to reproduction cat.1B

No.	Name	EC names/Other names	CAS number	EC number	Classification/Other properties
44.	Isobutane (containing $\geq 0,1$ % butadiene (EC No. 203-450-8))	Isobutane; Propane, 2-methyl-	75-28-5	200-857-2	Carcinogenic cat.1A / Mutagenic cat. 1B
45.	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high-viscosity with a content of $\geq 3.0$ % DMSO-extract (measured by IP 346)		72623-85-9	276-736-3	Carcinogenic cat.1B
46.	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based with a content of $\geq 3.0$ % DMSO-extract (measured by IP 346)		72623-86-0	276-737-9	Carcinogenic cat.1B
47.	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based with a content of $\geq 3.0$ % DMSO-extract (measured by IP 346)		72623-87-1	276-738-4	Carcinogenic cat.1B
48.	Lubricating oils (petroleum), C17-32, solvent-extd., dewaxed, hydrogenated with a content of $\geq 3.0$ % DMSO-extract (measured by IP 346)		101316-70-5	309-875-6	Carcinogenic cat.1B
49.	Naphtha (petroleum), heavy alkylate predominantly branched chain C9-C12 with a content of $\geq 0.1$ % benzene (EC No. 200-753-7)		64741-65-7	265-067-2	Carcinogenic cat.1B / Mutagenic cat.1B
50.	Naphtha (petroleum), hydrodesulfurized heavy predominantly C7-C12 with a content of $\geq 0.1$ % benzene (EC No. 200-753-7)		64742-82-1	265-185-4	Carcinogenic cat.1A/ Mutagenic cat.1B
51.	Naphtha (petroleum), hydrodesulfurized light, dearomatized predominantly C7 paraffins and cycloparaffins with a		92045-53-9	295-434-2	Carcinogenic cat.1A / Mutagenic cat.1B



No.	Name	EC names/Other names	CAS number	EC number	Classification/Other properties
	content of $\geq 0.1$ % benzene (EC No. 200-753-7)				
52.	Naphtha (petroleum), hydrotreated heavy predominantly C6-C13 with a content of $\geq 0.1$ % benzene (EC No. 200-753-7)		64742-48-9	265-150-3	Carcinogenic cat.1A / Mutagenic cat.1B
53.	Naphtha (petroleum), light aromatic predominantly C8-C10 with a content of $\geq 0.1$ % benzene (EC N. 200-753-7)		64742-95-6	265-199-0	Carcinogenic cat.1A / Mutagenic cat.1B
54.	Nitrobenzene	Nitrobenzene; Benzene, nitro-	98-95-3	202-716-0	Toxic to reproduction cat.1B
55.	<i>N</i> -methylformamide	<i>N</i> -methylformamide; Formamide, <i>N</i> -methyl-	123-39-7	204-624-6	Toxic to reproduction cat.1B
56.	Nonyl-phenols: Substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in any position to phenol, covering also substances which include any of the individual isomers or a combination thereof.	4-(3,5-Dimethylheptan-3-yl)phenol Phenol, 4-(1-ethyl-1,3-dimethylpentyl)-; 4-(1-Ethyl-1,3-dimethylpentyl)phenol	186825-36-5		Endocrine disrupting properties (REACH Article 57(f) – Environment)
57.		4-(3,6-Dimethylheptan-3-yl)phenol Phenol, 4-(1-ethyl-1,4-dimethylpentyl)-; 4-(1-Ethyl-1,4-dimethylpentyl)phenol	142731-63-3		Endocrine disrupting properties (REACH Article 57(f) – Environment)
58.		4-(2-Methyloctan-2-yl)phenol <i>p</i> -(1,1-Dimethylheptyl)phenol; Phenol, 4-(1,1-dimethylheptyl)-	30784-30-6	250-339-5	Endocrine disrupting properties (REACH Article 57(f) – Environment)
59.		4-(3-Methyloctan-3-yl)phenol Phenol, 4-(1-ethyl-1-methylhexyl)-; 4-(1-Ethyl-1-methylhexyl)phenol;	52427-13-1	257-907-1	Endocrine disrupting properties (REACH Article 57(f) – Environment)

No.	Name	EC names/Other names	CAS number	EC number	Classification/Other properties
60.		4-Nonylphenol <i>p</i> -Nonylphenol; Phenol, 4-nonyl-	104-40-5	203-199-4	Endocrine disrupting properties (REACH Article 57(f) – Environment)
61.		Isononylphenol	11066-49-2	234-284-4	Endocrine disrupting properties (REACH Article 57(f) – Environment)
62.		<i>p</i> -Isononylphenol; Phenol, 4-isononyl-	26543-97-5	247-770-6	Endocrine disrupting properties (REACH Article 57(f) – Environment)
63.		Nonylphenol; Phenol, nonyl-	25154-52-3	246-672-0	Endocrine disrupting properties (REACH Article 57(f) – Environment)
64.		Phenol, 4-(1-methyloctyl)-; <i>p</i> -(1-Methyloctyl)phenol	17404-66-9	241-427-4	Endocrine disrupting properties (REACH Article 57(f) – Environment)
65.		Phenol, 4-nonyl-, branched	84852-15-3	284-325-5	Endocrine disrupting properties (REACH Article 57(f) – Environment)
66.		Phenol, nonyl-, branched	90481-04-2	291-844-0	Endocrine disrupting properties (REACH Article 57(f) – Environment)
67.		Nonylphenol, ethoxylated; Poly(oxy-1,2-ethanediyl), $\alpha$ -(nonylphenyl)- $\omega$ -hydroxy-		500-024-6	Endocrine disrupting properties (REACH Article 57(f) - Environment)

No.	Name	EC names/Other names	CAS number	EC number	Classification/Other properties
68.	Nonyl-phenols, ethoxylated: Substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in any position to phenol, ethoxylated, covering also substances which include any of the individual isomers or a combination thereof.	4-Nonylphenol, branched, 1 - 2.5 moles ethoxylated Poly(oxy-1,2-ethanediyl), $\alpha$ -(4-nonylphenyl)- $\omega$ -hydroxy-, branched		500-315-8	Endocrine disrupting properties (REACH Article 57(f) - Environment)
69.		4-Nonylphenol, 1 - 2.5 moles ethoxylated		500-045-0	Endocrine disrupting properties (REACH Article 57(f) - Environment)
70.		2-(2-{2-[2-(4-Nonylphenoxy)ethoxy]ethoxy}ethoxy)ethan-1-ol 2-[2-[2-[2-(4-Nonylphenoxy)ethoxy]ethoxy]ethoxy]ethanol; Ethanol, 2-[2-[2-[2-(4-nonylphenoxy)ethoxy]ethoxy]ethoxy]-	7311-27-5	230-770-5	Endocrine disrupting properties (REACH Article 57(f) - Environment)
71.		2-[2-(4-Nonylphenoxy)ethoxy]ethanol; Ethanol, 2-[2-(4-nonylphenoxy)ethoxy]-	20427-84-3	243-816-4	Endocrine disrupting properties (REACH Article 57(f) - Environment)
72.		20-(4-Nonylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol; 3,6,9,12,15,18-Hexaoxaicosan-1-ol, 20- (4-nonylphenoxy)-	27942-27-4	248-743-1	Endocrine disrupting properties (REACH Article 57(f) - Environment)
73.		2-[2-[2-[2-(4-Nonylphenoxy)ethoxy]ethoxy]ethoxy]ethan-1-ol Ethanol,2-[2-[2-[2-(4-nonylphenoxy)ethoxy]ethoxy]ethoxy]-	7311-27-5		Endocrine disrupting properties (REACH Article 57(f) - Environment)
74.		26-(4-Nonylphenoxy)-3,6,9,12,15,18,21,24-octaohexacosan-1-ol 3,6,9,12,15,18,21,24-Octaohexacosan-1-ol, 26-(4-nonylphenoxy)-	14409-72-4		Endocrine disrupting properties (REACH Article 57(f) - Environment)
75.		17-(4-Nonylphenoxy)-3,6,9,12,15-pentaoxaheptadecan-1-ol 3,6,9,12,15-Pentaoxaheptadecan-1-ol, 17-(4-nonylphenoxy)-	34166-38-6		Endocrine disrupting properties (REACH Article 57(f) - Environment)

No.	Name	EC names/Other names	CAS number	EC number	Classification/Other properties
76.		Poly(oxy-1,2-ethanediyl), $\alpha$ -(4-nonylphenyl)- $\omega$ -hydroxy-, branched	127087-87-0		Endocrine disrupting properties (REACH Article 57(f) - Environment)
77.		Poly(oxy-1,2-ethanediyl), $\alpha$ -(4-nonylphenyl)- $\omega$ -hydroxy-	26027-38-3		Endocrine disrupting properties (REACH Article 57(f) - Environment)
78.		Ethanol, 2-(4-nonylphenoxy)	104-35-8		Endocrine disrupting properties (REACH Article 57(f) - Environment)
79.		Isononylphenol, ethoxylated; Poly(oxy-1,2-ethanediyl), $\alpha$ -(isononylphenyl)- $\omega$ -hydroxy-	37205-87-1		Endocrine disrupting properties (REACH Article 57(f) - Environment)
80.		2-[2-(4- <i>tert</i> -Nonylphenoxy) ethoxy] ethanol Ethanol, 2-[2-(4- <i>tert</i> -nonylphenoxy)ethoxy]-	156609-10-8		Endocrine disrupting properties (REACH Article 57(f) - Environment)
81.		Poly(oxy-1,2-ethanediyl), $\alpha$ -(nonylphenyl)- $\omega$ -hydroxy- Nonylphenol, ethoxylated	9016-45-9		Endocrine disrupting properties (REACH Article 57(f) - Environment)
82.		Octyl-phenols:  Substances with a linear and/or branched alkyl chain with a carbon number of 8 covalently bound in any position to phenol, covering also substances which include any of the individual isomers or a combination thereof.	<i>p</i> -Octylphenol; 4-Octylphenol	1806-26-4	217-302-5
83.	4-(2,4,4-Trimethylpentan-2-yl)phenol; 4-(1,1,3,3-Tetramethylbutyl)phenol; 4-( <i>tert</i> -octyl) Phenol Phenol, 4-(1,1,3,3-tetramethylbutyl)-;		140-66-9	205-426-2	Endocrine disrupting properties (REACH Article 57(f) - Environment)

No.	Name	EC names/Other names	CAS number	EC number	Classification/Other properties
		4- <i>tert</i> -Octylphenol			
84.		Octylphenol; Phenol, octyl-	67554-50-1	266-717-8	Endocrine disrupting properties (REACH Article 57(f) – Environment)
85.		Phenol, 2-isooctyl-	86378-08-7		Endocrine disrupting properties (REACH Article 57(f) – Environment)
86.		Phenol, isooctyl-; Isooctylphenol	11081-15-5	234-304-1	Endocrine disrupting properties (REACH Article 57(f) – Environment)
87.		Phenol, 2-octyl-; <i>o</i> -Octylphenol	949-13-3	213-437-9	Endocrine disrupting properties (REACH Article 57(f) – Environment)
88.		Phenol, 2- <i>sec</i> -octyl-; <i>o-sec</i> -Octylphenol	26401-75-2	247-663-4	Endocrine disrupting properties (REACH Article 57(f) – Environment)
89.		Phenol, 4-isooctyl-; <i>p</i> -Isooctylphenol	27013-89-4	248-164-4	Endocrine disrupting properties (REACH Article 57(f) – Environment)
90.		Phenol, 4- <i>sec</i> -octyl-; <i>p-sec</i> -Octylphenol	27214-47-7	248-330-6	Endocrine disrupting properties (REACH Article 57(f) – Environment)
91.		Phenol, <i>sec</i> -octyl-; <i>sec</i> -Octylphenol	93891-78-2	299-461-0	Endocrine disrupting properties (REACH Article 57(f) – Environment)

No.	Name	EC names/Other names	CAS number	EC number	Classification/Other properties
					Environment)
92.		Phenol, 4-(1-ethylhexyl)-; <i>p</i> -(1-Ethylhexyl)phenol	3307-00-4	221-989-7	Endocrine disrupting properties (REACH Article 57(f) – Environment)
93.		Phenol, 2-(1-methylheptyl)-; <i>o</i> -(1Methylheptyl)phenol	18626-98-7	242-459-1	Endocrine disrupting properties (REACH Article 57(f) – Environment)
94.		Phenol, 2-(1-ethylhexyl)-; <i>o</i> -(1-Ethylhexyl)phenol	17404-44-3	241-426-9	Endocrine disrupting properties (REACH Article 57(f) – Environment)
95.		Phenol, 2-(1-propylpentyl)-; <i>o</i> -(1-Propylpentyl)phenol	37631-10-0	253-574-1	Endocrine disrupting properties (REACH Article 57(f) – Environment)
96.		Phenol, 4-(1-propylpentyl)-; <i>p</i> -(1-Propylpentyl)phenol	3307-01-5	221-990-2	Endocrine disrupting properties (REACH Article 57(f) – Environment)
97.		Phenol, 2-(1-methylheptyl)-; <i>o</i> -(1,1,3,3-Tetramethylbutyl)phenol	3884-95-5	223-420-8	Endocrine disrupting properties (REACH Article 57(f) – Environment)
98.		Phenol, (1,1,3,3-tetramethylbutyl)-; (1,1,3,3-Tetramethylbutyl)phenol	27193-28-8	248-310-7	Endocrine disrupting properties (REACH Article 57(f) – Environment)
99.		Phenol, (1-methylheptyl)-; (1-Methylheptyl)phenol	27985-70-2	248-759-9	Endocrine disrupting properties (REACH Article 57(f) –

No.	Name	EC names/Other names	CAS number	EC number	Classification/Other properties
					Environment)
100.		Phenol, 4-(2-methylheptyl)-	898546-19-5		Endocrine disrupting properties (REACH Article 57(f) – Environment)
101.		Phenol, 2-(2-ethylhexyl)-	28752-62-7		Endocrine disrupting properties (REACH Article 57(f) – Environment)
102.		Phenol, 4-(1-methylheptyl)-; <i>p</i> -(1-Methylheptyl)phenol	1818-08-2	217-332-9	Endocrine disrupting properties (REACH Article 57(f) – Environment)
103.		Phenol, 4-(2-ethylhexyl)-	69468-20-8		Endocrine disrupting properties (REACH Article 57(f) – Environment)
104.		Phenol, 4-(5-methylheptyl)-	1824164-95-5		Endocrine disrupting properties (REACH Article 57(f) – Environment)
105.		Phenol, 2-(2-methylheptyl)-	898546-20-8		Endocrine disrupting properties (REACH Article 57(f) – Environment)
106.		Phenol, 4-(2-propylpentyl)-	119747-99-8		Endocrine disrupting properties (REACH Article 57(f) – Environment)
107.		Phenol, 3-octyl-	20056-69-3		Endocrine disrupting properties (REACH Article 57(f) –

No.	Name	EC names/Other names	CAS number	EC number	Classification/Other properties	
					Environment)	
108.		Phenol, 2-(1,1-dimethylhexyl)-	1824575-79-2		Endocrine disrupting properties (REACH Article 57(f) – Environment)	
109.		Phenol, 4-(1,1-dimethylhexyl)-	30784-29-3		Endocrine disrupting properties (REACH Article 57(f) – Environment)	
110.		Phenol, 4-(5,5-dimethylhexyl)-	13330-52-4		Endocrine disrupting properties (REACH Article 57(f) – Environment)	
111.		Phenol, 2-(5,5-dimethylhexyl)-	1822989-97-8		Endocrine disrupting properties (REACH Article 57(f) – Environment)	
112.		Phenol, 3-(1,1-dimethylhexyl)-	70435-92-6		Endocrine disrupting properties (REACH Article 57(f) – Environment)	
113.		Phenol, 4-(1,4-dimethylhexyl)-	164219-26-5		Endocrine disrupting properties (REACH Article 57(f) – Environment)	
114.		Octyl-phenols, ethoxylated: Substances with a linear and/or branched alkyl chain with a carbon number of 8 covalently bound in any position to phenol, ethoxylated, covering also substances which include any of the individual isomers or a combination thereof.	Poly(oxy-1,2-ethanediyl), $\alpha$ -[(1,1,3,3-tetramethylbutyl)phenyl]- $\omega$ -hydroxy- 2-(2-[4-(1,1,3,3-Tetramethylbutyl)phenoxy]ethoxy)ethanol Polyethylene Glycol Octylphenyl Ether;	9036-19-5		Endocrine disrupting properties (REACH Article 57(f) – Environment)
115.			2-[4-(2,4,4-Trimethylpentan-2-yl)phenoxy]ethanol Poly(oxy-1,2-ethanediyl), $\alpha$ -[4-(1,1,3,3-tetramethylbutyl)phenyl]- $\omega$ -	9002-93-1		Endocrine disrupting properties (REACH Article 57(f) –



No.	Name	EC names/Other names	CAS number	EC number	Classification/Other properties
		hydroxy- Octylphenol ethoxylated			Environment)
116.		20-[4-(1,1,3,3-Tetramethylbutyl)phenoxy]-3,6,9,12,15,18-hexaoxaicosan-1-ol 3,6,9,12,15,18-Hexaoxaicosan-1-ol, 20-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-	2497-59-8	219-682-8	Endocrine disrupting properties (REACH Article 57(f) – Environment)
117.		Ethanol, 2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-	2315-67-5		Endocrine disrupting properties (REACH Article 57(f) – Environment)
118.		Ethanol, 2-[2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethoxy]-	2315-61-9		Endocrine disrupting properties (REACH Article 57(f) – Environment)
119.		3,6,9,12,15,18,21,24-Octaoxahehexacosan-1-ol, 26-(4-octylphenoxy)-;	42173-90-0	255-695-5	Endocrine disrupting properties (REACH Article 57(f) – Environment)
120.		Poly(oxy-1,2-ethanediyl), $\alpha$ -(octylphenyl)- $\omega$ -hydroxy-, branched	68987-90-6		Endocrine disrupting properties (REACH Article 57(f) – Environment)
121.		Poly(oxy-1,2-ethanediyl), $\alpha$ -[4-(6-methylheptyl)phenyl]- $\omega$ -hydroxy-	59379-12-3		Endocrine disrupting properties (REACH Article 57(f) – Environment)
122.		Ethanol, 2-(4-octylphenoxy)-; 2-( <i>p</i> -Octylphenoxy)ethanol	51437-89-9	257-203-4	Endocrine disrupting properties (REACH Article 57(f) – Environment)

No.	Name	EC names/Other names	CAS number	EC number	Classification/Other properties
123.		Poly(oxy-1,2-ethanediyl), $\alpha$ -(4-octylphenyl)- $\omega$ -hydroxy-	26636-32-8		Endocrine disrupting properties (REACH Article 57(f) – Environment)
124.		Poly(oxy-1,2-ethanediyl), $\alpha$ -[4-(1-methylheptyl)phenyl]- $\omega$ -hydroxy-	73935-42-9		Endocrine disrupting properties (REACH Article 57(f) – Environment)
125.		3,6,9,12,15,18-Hexaoxaicosan-1-ol, 20-(4-octylphenoxy)- ; 20-(4-Octylphenoxy)-3,6,9,12,15,18-hexaoxaicosan-1-ol	32742-88-4	251-190-9	Endocrine disrupting properties (REACH Article 57(f) – Environment)
126.		Ethanol, 2-[2-[2-(4-octylphenoxy)ethoxy]ethoxy]ethoxy]- ; 2-( <i>p</i> -Octylphenoxy)ethanol	51437-92-4		Endocrine disrupting properties (REACH Article 57(f) – Environment)
127.		Ethanol, 2-[2-(4-octylphenoxy)ethoxy]-	51437-90-2		Endocrine disrupting properties (REACH Article 57(f) – Environment)
128.		3,6,9,12,15-Pentaoxaheptadecan-1-ol, 17-(4-octylphenoxy)-	51437-94-6		Endocrine disrupting properties (REACH Article 57(f) – Environment)
129.		Poly(oxy-1,2-ethanediyl), $\alpha$ -(isooctylphenyl)- $\omega$ -hydroxy-	9004-87-9		Endocrine disrupting properties (REACH Article 57(f) – Environment)
130.		2-[2-[2-(4-Octylphenoxy)ethoxy]ethoxy]ethanol	51437-91-3		Endocrine disrupting properties (REACH Article 57(f) – Environment)

No.	Name	EC names/Other names	CAS number	EC number	Classification/Other properties
131.		3,6,9,12,15-Pentaoxaheptadecan-1-ol, 17-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-	2497-58-7		Endocrine disrupting properties (REACH Article 57(f) – Environment)
132.		Ethanol, 2-[2-[2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethoxy]ethoxy]-	2315-62-0		Endocrine disrupting properties (REACH Article 57(f) – Environment)
133.		Ethanol, 2-[2-[2-[2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethoxy]ethoxy]ethoxy]-	2315-63-1		Endocrine disrupting properties (REACH Article 57(f) – Environment)
134.		3,6,9,12-Tetraoxatetradecan-1-ol, 14-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-	2315-64-2		Endocrine disrupting properties (REACH Article 57(f) – Environment)
135.		3,6,9,12,15,18,21,24-Octaoxahehexacosan-1-ol, 26-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-	2315-65-3		Endocrine disrupting properties (REACH Article 57(f) – Environment)
136.		3,6,9,12,15,18,21,24,27-Nonaoxanonacosan-1-ol, 29-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-	2315-66-4		Endocrine disrupting properties (REACH Article 57(f) – Environment)
137.		Ethanol, 2-[3-(1,1,3,3-tetramethylbutyl)phenoxy]-	1026254-24-9		Endocrine disrupting properties (REACH Article 57(f) – Environment)
138.		Ethanol, 2-[2-(1,1,3,3-tetramethylbutyl)phenoxy]-	84658-53-7		Endocrine disrupting properties (REACH Article 57(f) – Environment)

No.	Name	EC names/Other names	CAS number	EC number	Classification/Other properties
139.		Ethanol, 2-[2-(octylphenoxy)ethoxy]-	27176-92-7		Endocrine disrupting properties (REACH Article 57(f) – Environment)
140.	<i>N, N</i> -Dimethylformamide	<i>N, N</i> -dimethylformamide; Dimethyl formamide, DMF	68-12-2	200-679-5	Toxic to reproduction cat.1B
141.	Prop-2-enamide	Acrylamide; 2-propenamide	79-06-1	201-173-7	Carcinogenic cat.1B / Mutagenic cat.1B
142.	Pyridine, alkyl derivatives, with a content of $\geq 0.1$ % benzene (EC No. 200-753-7)		68391-11-7	269-929-9	Carcinogenic cat.1A / Mutagenic cat.1B
143.	Quinoline	Quinoline	91-22-5	202-051-6	Carcinogenic cat.1B
144.	Tetrahydrofurfuryl Alcohol	Tetrahydrofurfuryl alcohol; 2-Furanmethanol, tetrahydro-	97-99-4	202-625-6	Toxic to reproduction cat.1B