



EUROPEAN
COMMISSION

Brussels, 17.3.2022
C(2022) 1534 final

ANNEX

ANNEX

to the

COMMISSION DELEGATED REGULATION (EU) .../...

**amending Annex II to Delegated Regulation (EU) No 1062/2014 on the work programme
for the systematic examination of all existing active substances contained in biocidal
products referred to in Regulation (EU) No 528/2012 of the European Parliament and of
the Council**

ANNEX

‘ANNEX II

SUBSTANCE/PRODUCT-TYPE COMBINATIONS INCLUDED IN THE REVIEW PROGRAMME ON [OP please insert the date of adoption]

Active substance/product-type combinations supported on [OP please insert the date of adoption], excluding any other nanomaterial than that explicitly mentioned in entry 1017 and excluding any generation in situ of the active substance except when explicitly mentioned with the reference to the supported precursor(s).

Entry number	Substance name	Rapporteur Member State	EC number	CAS number	1	2	3	4	5	6	7	8	9	10	11	12	13	17	18	19	21	22
1	Formaldehyde	DE	200-001-8	50-00-0																		x
9	Bronopol	ES	200-143-0	52-51-7		x				x					x	x						x
36	Ethanol	EL	200-578-6	64-17-5	x	x		x														
37	Formic acid	BE	200-579-1	64-18-6		x	x	x	x	x												
1025	Performic acid generated from formic acid and hydrogen peroxide	BE				x		x							x	x						
43	Salicylic acid	NL	200-712-3	69-72-7		x	x	x														
52	Ethylene oxide	NO	200-849-9	75-21-8		x																
69	Glycolic acid	NL	201-180-5	79-14-1		x	x	x														
1026	Peracetic acid generated from tetraacetylenediamine (TAED) and hydrogen peroxide	AT				x																
1027	Peracetic acid generated from 1,3-diacetyloxypropan-2-yl acetate and hydrogen peroxide	AT				x																
71	L-(+)-lactic acid	DE	201-196-2	79-33-4						x												
79	(2R,6aS,12aS)-1,2,6,6a,12,12a-Hexahydro-2-isopropenyl-8,9-dimethoxychromeno[3,4-b]furo[2,3-h]chromen-6-one (Rotenone)	PL	201-501-9	83-79-4														x				
85	Symclosene	DE	201-782-8	87-90-1		x	x	x	x							x						
92	Biphenyl-2-ol	ES	201-993-5	90-43-7							x		x	x								
113	3-Phenyl-propen-2-al (Cinnamaldehyde)	PL	203-213-9	104-55-2		x																
117	Geraniol	FR	203-377-1	106-24-1															x	x		
122	Glyoxal	FR	203-474-9	107-22-2		x	x	x														
133	Hexa-2,4-dienoic acid (Sorbic acid)	DE	203-768-7	110-44-1						x												
171	2-Phenoxyethanol	IT	204-589-7	122-99-6	x	x		x		x							x					
180	Sodium dimethylarsinate (Sodium Cacodylate)	PT	204-708-2	124-65-2															x			

Entry number	Substance name	Rapporteur Member State	EC number	CAS number	1	2	3	4	5	6	7	8	9	10	11	12	13	17	18	19	21	22
185	Tosylchloramide sodium (Chloramin T)	ES	204-854-7	127-65-1		x	x	x	x													
187	Potassium dimethyldithiocarbamate	SE	204-875-1	128-03-0									x		x	x						
188	Sodium dimethyldithiocarbamate	SE	204-876-7	128-04-1									x		x	x						
227	2-Thiazol-4-yl-1H-benzimidazole (Thiabendazole)	ES	205-725-8	148-79-8							x		x	x								
235	Diuron	DK	206-354-4	330-54-1							x			x								
239	Cyanamide	DE	206-992-3	420-04-2			x												x			
283	Terbutryn	SK	212-950-5	886-50-0							x		x	x								
292	(1,3,4,5,6,7-Hexahydro-1,3-dioxo-2H-isoindol-2-yl)methyl (1R-trans)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate (d-Tetramethrin)	DE	214-619-0	1166-46-7															x			
321	Monolinuron	HU	217-129-5	1746-81-2		x																
330	N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine (Diamine)	PT	219-145-8	2372-82-9		x	x	x		x		x			x	x	x					
336	2,2'-Dithiobis[N-methylbenzamide] (DTBMA)	PL	219-768-5	2527-58-4						x												
339	1,2-Benzisothiazol-3(2H)-one (BIT)	ES	220-120-9	2634-33-5		x				x			x		x	x	x					
341	2-Methyl-2H-isothiazol-3-one (MIT)	SI	220-239-6	2682-20-4						x												
346	Sodium dichloroisocyanurate dihydrate	DE	220-767-7	51580-86-0		x	x	x	x						x							
345	Troclosene sodium	DE	220-767-7	2893-78-9		x	x	x	x						x							
348	Mecetronium ethylsulfate (MES)	PL	221-106-5	3006-10-8	x																	
359	Formaldehyde released from (Ethylenedioxy)dimethanol (Reaction products of ethylene glycol with paraformaldehyde (EGForm))	PL	222-720-6	3586-55-8						x					x	x	x					
365	Pyridine-2-thiol 1-oxide, sodium salt (Sodium pyrrithione)	SE	223-296-5	3811-73-2		x				x	x		x	x			x					
368	Methenamine 3-chloroallylochloride (CTAC)	PL	223-805-0	4080-31-3						x						x	x					
377	2,2',2''-(Hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol (HHT)	PL	225-208-0	4719-04-4						x					x	x	x					
382	Tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dione (TMAD)	ES	226-408-0	5395-50-6						x					x	x	x					
392	Methylene dithiocyanate	FR	228-652-3	6317-18-6												x						
393	1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione (DMDMH)	PL	229-222-8	6440-58-0						x							x					
397	Didecyl dimethylammonium chloride (DDAC)	IT	230-525-2	7173-51-5	x	x				x				x	x	x						

Entry number	Substance name	Rapporteur Member State	EC number	CAS number	1	2	3	4	5	6	7	8	9	10	11	12	13	17	18	19	21	22
401	Silver	SE	231-131-3	7440-22-4		x		x	x						x							
405	Sulfur dioxide generated from sulfur by combustion	DE						x														
424	Active bromine generated from sodium bromide and sodium hypochlorite	NL				x									x	x						
1030	Active bromine generated from sodium bromide and calcium hypochlorite	NL				x									x	x						
1031	Active bromine generated from sodium bromide and chlorine	NL				x									x	x						
1032	Active bromine generated from sodium bromide by electrolysis	NL				x									x	x						
1033	Active bromine generated from hypobromous acid and urea and bromourea	NL													x	x						
1034	Active bromine generated from sodium hypobromite and N-bromosulfamate and sulfamic acid	NL													x							
434	Tetramethrin	DE	231-711-6	7696-12-0															x			
439	Hydrogen peroxide	FI	231-765-0	7722-84-1											x	x						
1036	Hydrogen peroxide released from sodium percarbonate	FI				x	x															
444	7a-Ethylidihydro-1H,3H,5H-oxazolo[3,4-c]oxazole (EDHO)	PL	231-810-4	7747-35-5						x							x					
450	Silver nitrate	SE	231-853-9	7761-88-8	x																	
453	Disodium peroxodisulfate	PT	231-892-1	7775-27-1				x														
432	Active chlorine released from sodium hypochlorite	IT													x	x						
455	Active chlorine released from calcium hypochlorite	IT													x							
457	Active chlorine released from chlorine	IT													x							
458	Monochloramine generated from ammonium sulfate and a chlorine source	FR													x	x						
1016	Silver chloride	SE	232-033-3	7783-90-6	x	x				x	x		x									
1076	Silver-polyethylenimine-chloride	SE			x	x							x									
491	Chlorine dioxide	DE	233-162-8	10049-04-4		x	x	x	x						x	x						
1037	Chlorine dioxide generated from sodium chlorite by electrolysis	PT				x	x	x	x						x	x						
1038	Chlorine dioxide generated from sodium chlorite by acidification	PT				x	x	x	x						x	x						

Entry number	Substance name	Rapporteur Member State	EC number	CAS number	1	2	3	4	5	6	7	8	9	10	11	12	13	17	18	19	21	22
1039	Chlorine dioxide generated from sodium chlorite by oxidation	PT				x	x	x	x						x	x						
1040	Chlorine dioxide generated from sodium chlorate and hydrogen peroxide in the presence of a strong acid	PT				x			x						x	x						
494	2,2-Dibromo-2-cyanoacetamide (DBNPA)	DK	233-539-7	10222-01-2		x		x		x					x	x						
1022	Dialuminium chloride pentahydroxide	NL	234-933-1	12042-91-0		x																
1075	Reaction products of aluminium trihydroxide and hydrochloric acid and aluminium and water	NL				x																
515	Bromide activated chloramine (BAC) generated from precursors ammonium bromide and sodium hypochlorite	SE													x	x						
522	Pyrithione zinc	SE	236-671-3	13463-41-7		x				x	x		x	x							x	
524	Dodecylguanidine monohydrochloride	ES	237-030-0	13590-97-1						x					x							
529	Active bromine generated from bromine chloride	NL													x							
531	(Benzyloxy)methanol	AT	238-588-8	14548-60-8						x							x					
550	D-Gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) (CHDG)	PT	242-354-0	18472-51-0	x	x	x															
554	p-[(Diiodomethyl)sulphonyl]toluene	CH	243-468-3	20018-09-1						x	x		x	x								
559	(Benzothiazol-2-ylthio)methyl thiocyanate (TCMTB)	NO	244-445-0	21564-17-0									x			x						
562	2-Methyl-4-oxo-3-(prop-2-ynyl)cyclopent-2-en-1-yl 2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate (Prallethrin)	EL	245-387-9	23031-36-9														x				
566	Reaction products of paraformaldehyde and 2-hydroxypropylamine (ratio 1:1) (HPT)	AT				x				x					x		x					
571	2-Octyl-2H-isothiazol-3-one (OIT)	FR	247-761-7	26530-20-1						x	x		x	x	x		x					
577	Dimethyloctadecyl[3-(trimethoxysilyl)propyl]ammonium chloride	ES	248-595-8	27668-52-6		x					x		x									
588	Bromochloro-5,5-dimethylimidazolidine-2,4-dione (BCDMH)	NL	251-171-5	32718-18-6		x									x	x						
590	3-(4-Isopropylphenyl)-1,1-dimethylurea (Isoproturon)	DE	251-835-4	34123-59-6							x			x								
599	S-[(6-Chloro-2-oxooxazolo[4,5-b]pyridin-3(2H)-yl)methyl] O,O-dimethyl thiophosphate (Azamethiphos)	IT	252-626-0	35575-96-3														x				

Entry number	Substance name	Rapporteur Member State	EC number	CAS number	1	2	3	4	5	6	7	8	9	10	11	12	13	17	18	19	21	22
608	Dimethyltetradecyl[3-(trimethoxysilyl)propyl]ammonium chloride	PL	255-451-8	41591-87-1									x									
1045	<i>Eucalyptus citriodora</i> oil, hydrated, cyclized	CZ		1245629-80-4																x		
1046	<i>Cymbopogon winterianus</i> oil, fractionated, hydrated, cyclized	CZ	Not available	Not available																x		
619	3-Iodo-2-propynylbutylcarbamate (IPBC)	DK	259-627-5	55406-53-6							x		x	x								
620	Tetrakis(hydroxymethyl)phosphonium sulphate(2:1) (THPS)	MT	259-709-0	55566-30-8						x					x	x						
648	4,5-Dichloro-2-octylisothiazol-3(2H)-one (4,5-Dichloro- 2-octyl-2H- isothiazol-3-one (DCOIT))	NO	264-843-8	64359-81-5							x		x	x	x							
656	Reaction products of paraformaldehyde and 2-hydroxypropylamine (ratio 3:2) (MBO)	AT				x				x					x	x	x					
667	Alkyl (C ₁₂₋₁₈) dimethylbenzyl ammonium chloride (ADBAC (C ₁₂₋₁₈))	IT	269-919-4	68391-01-5	x	x	x	x						x	x	x						x
671	Alkyl (C ₁₂₋₁₆) dimethylbenzyl ammonium chloride (ADBAC/BKC (C _{12-C16}))	IT	270-325-2	68424-85-1	x	x								x	x	x						x
673	Didecyltrimethylammonium chloride (DDAC (C ₈₋₁₀))	IT	270-331-5	68424-95-3	x	x	x	x		x				x	x	x						
690	Quaternary ammonium compounds, benzyl-C ₁₂₋₁₈ -alkyldimethyl, salts with 1,2-benzisothiazol-3(2H)-one 1,1-dioxide (1:1) (ADBAS)	MT	273-545-7	68989-01-5		x		x														
691	Sodium N-(hydroxymethyl)glycinate	AT	274-357-8	70161-44-3						x												
693	Pentapotassium bis(peroxymonosulfate)bis(sulfate) (KPMS)	SI	274-778-7	70693-62-8		x	x	x	x													
939	Active chlorine generated from sodium chloride by electrolysis	SK													x							
1049	Active chlorine generated from sodium chloride and pentapotassium bis(peroxymonosulfate)bis(sulfate)	SI				x	x	x	x													
1050	Active chlorine generated from seawater (sodium chloride) by electrolysis	FR													x							
1051	Active chlorine generated from magnesium chloride hexahydrate and potassium chloride by electrolysis	FR				x																
1054	Active chlorine generated from sodium N-chlorosulfamate	SI						x							x	x						
701	Dihydrogen bis[monoperoxyphthalato(2-)-O1,OO1]magnesiumate(2-) (MMPP)	PL	279-013-0	84665-66-7		x																

Entry number	Substance name	Rapporteur Member State	EC number	CAS number	1	2	3	4	5	6	7	8	9	10	11	12	13	17	18	19	21	22
1024	Margosa extract from cold-pressed oil of the kernels of <i>Azadirachta Indica</i> extracted with super-critical carbon dioxide	DE																	x			
724	Alkyl (C ₁₂ -C ₁₄) dimethylbenzylammonium chloride (ADBAC (C ₁₂ -C ₁₄))	IT	287-089-1	85409-22-9	x	x	x	x						x	x	x						x
725	Alkyl (C ₁₂ -C ₁₄) dimethyl(ethylbenzyl)ammonium chloride (ADEBAC (C ₁₂ -C ₁₄))	IT	287-090-7	85409-23-0	x	x	x	x						x	x	x						x
1057	<i>Chrysanthemum cinerariaefolium</i> extract from open and mature flowers of <i>Tanacetum cinerariifolium</i> obtained with hydrocarbon solvent	ES																	x	x		
1058	<i>Chrysanthemum cinerariaefolium</i> extract from open and mature flowers of <i>Tanacetum cinerariifolium</i> obtained with supercritical carbon dioxide	ES																	x	x		
744	Lavender, <i>Lavandula hybrida</i> , ext. / Lavandin oil	PT	294-470-6	91722-69-9																x		
779	Reaction products of: glutamic acid and N-(C ₁₂ -C ₁₄ -alkyl)propylenediamine (Glucoprotamin)	DE	403-950-8	164907-72-6		x		x														
785	6-(Phthalimido)peroxyhexanoic acid (PAP)	IT	410-850-8	128275-31-0	x	x																
791	2-Butyl-benzo[d]isothiazol-3-one (BBIT)	CZ	420-590-7	4299-07-4						x	x		x	x			x					
792	Chlorine dioxide generated from tetrachlorodecaoxide complex (TCDO) by acidification	DE				x		x														
811	Silver sodium hydrogen zirconium phosphate	SE	422-570-3	265647-11-8				x					x									
797	cis-1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride (cis CTAC)	PL	426-020-3	51229-78-8						x							x					
1014	Silver zeolite	SE	Not available	Not available				x					x									
152	Reaction products of 5,5-dimethylhydantoin, 5-ethyl-5-methylhydantoin with bromine and chlorine (DCDMH)	NL	Not available	Not available											x							
459	Reaction mass of titanium dioxide and silver chloride	SE	Not available	Not available	x	x				x	x		x	x	x							
777	Reaction products of 5,5-dimethylhydantoin, 5-ethyl-5-methylhydantoin with chlorine (DCEMH)	NL	Not available	Not available											x							
810	Silver phosphate glass	SE	Not available	308069-39-8		x					x		x									
1077	Silver borophosphate glass	SE				x					x		x									

Entry number	Substance name	Rapporteur Member State	EC number	CAS number	1	2	3	4	5	6	7	8	9	10	11	12	13	17	18	19	21	22
1078	Silver phosphoborate glass	SE				x					x		x									
824	Silver zinc zeolite	SE	Not available	130328-20-0		x		x			x		x									
1013	Silver copper zeolite	SE	Not available	130328-19-7				x					x									
1017	Silver adsorbed on silicon dioxide (as a nanomaterial in the form of a stable aggregate with primary particles in the nanoscale)	SE	Not available	Not available									x									
854	(RS)-3-Allyl-2-methyl-4-oxocyclopent-2-enyl-(1R,3R;1R,3S)-2,2-dimethyl-3-(2-methylprop-1-enyl)-cyclopropanecarboxylate (mixture of 4 isomers 1R trans, 1R : 1R trans, 1S : 1R cis, 1R : 1R cis, 1S 4:4:1:1) (d-Allethrin)	DE	Plant protection product	231937-89-6															x			
843	4-Bromo-2-(4-chlorophenyl)-1-ethoxymethyl-5-trifluoromethylpyrrole-3-carbonitrile (Chlorfenapyr)	PT	Plant protection product	122453-73-0															x			
859	Polymer of N-Methylmethanamine (EINECS 204-697-4 with (chloromethyl)oxirane (EINECS 203-439-8) / Polymeric quaternary ammonium chloride (PQ Polymer)	HU	Polymer	25988-97-0		x									x							
869	Poly(oxy-1,2-ethanediyl), .alpha.-[2-(didecylmethylammonio)ethyl]-.omega.-hydroxy-, propanoate (salt) (Bardap 26)	IT	Polymer	94667-33-1		x		x						x								
872	N-Didecyl-N-dipolyethoxyammonium borate / Didecylpolyoxethylammonium borate (Polymeric betaine)	EL	Polymer	214710-34-6								x										
1070	Orange, sweet, ext. <i>Extractives and their physically modified derivatives such as tinctures, concretes, absolutes, essential oils, oleoresins, terpenes, terpene-free fractions, distillates, residues, etc., obtained from Citrus sinensis, Rutaceae.</i>	CH	232-433-8	8028-48-6																x		
1071	Garlic, ext. <i>Extractives and their physically modified derivatives such as tinctures, concretes, absolutes, essential oils, oleoresins, terpenes, terpene-free fractions, distillates, residues, etc., obtained from Allium sativum, Liliaceae.</i>	AT	232-371-1	8008-99-9																x		
1072	Brandy	tbd	Not available	Not available																x		
1073	Peanut butter	BE	Not available	Not available																x		
1074	Copper, powder	FR	231-159-6	7440-50-8																	x	

