

Practical Guide on Fast-Tracking the Supply of Disinfectants during the COVID-19 Pandemic under the EU Biocides Rules

Appendix 2

Active Substances used in Disinfectants for Human hygiene (PT1) and Disinfectants and algaecides not intended for direct application to humans or animals (PT2)

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PT1	<p>WHICH ACTIVE SUBSTANCES ARE ALREADY APPROVED FOR PRODUCT TYPE 1?¹</p> <p>Product-type 1: Human hygiene Products in this group are biocidal products used for human hygiene purposes, applied on or in contact with human skin or scalps for the primary purpose of disinfecting the skin or scalp.</p> <table border="1"> <thead> <tr> <th>Substance name</th> <th>EC/List no.</th> <th>CAS no.</th> </tr> </thead> <tbody> <tr> <td>Polyvinylpyrrolidone iodine</td> <td>-</td> <td>25655-41-8</td> </tr> <tr> <td>Peracetic acid</td> <td>201-186-8</td> <td>79-21-0</td> </tr> <tr> <td>Iodine</td> <td>231-442-4</td> <td>7553-56-2</td> </tr> <tr> <td>Propan-1-ol</td> <td>200-746-9</td> <td>71-23-8</td> </tr> <tr> <td>L-(+)-lactic acid</td> <td>201-196-2</td> <td>79-33-4</td> </tr> <tr> <td>5-chloro-2-(4-chlorphenoxy)phenol (DCPP)</td> <td>429-290-0</td> <td>3380-30-1</td> </tr> <tr> <td>Active chlorine released from sodium hypochlorite</td> <td>231-668-3</td> <td>7681-52-9</td> </tr> <tr> <td>Propan-2-ol</td> <td>200-661-7</td> <td>67-63-0</td> </tr> <tr> <td>Biphenyl-2-ol</td> <td>201-993-5</td> <td>90-43-7</td> </tr> <tr> <td>Chlorocresol</td> <td>200-431-6</td> <td>59-50-7</td> </tr> <tr> <td>Hydrogen peroxide</td> <td>231-765-0</td> <td>7722-84-1</td> </tr> </tbody> </table>	Substance name	EC/List no.	CAS no.	Polyvinylpyrrolidone iodine	-	25655-41-8	Peracetic acid	201-186-8	79-21-0	Iodine	231-442-4	7553-56-2	Propan-1-ol	200-746-9	71-23-8	L-(+)-lactic acid	201-196-2	79-33-4	5-chloro-2-(4-chlorphenoxy)phenol (DCPP)	429-290-0	3380-30-1	Active chlorine released from sodium hypochlorite	231-668-3	7681-52-9	Propan-2-ol	200-661-7	67-63-0	Biphenyl-2-ol	201-993-5	90-43-7	Chlorocresol	200-431-6	59-50-7	Hydrogen peroxide	231-765-0	7722-84-1															
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PT2	<p>WHICH ACTIVE SUBSTANCES ARE ALREADY APPROVED FOR PRODUCT TYPE 2?²</p> <p>Product-type 2: Disinfectants and algaecides not intended for direct application to humans or animals</p> <p>Products used for the disinfection of surfaces, materials, equipment and furniture which are not used for direct contact with food or feeding stuffs.</p> <p>Usage areas include, inter alia, swimming pools, aquariums, bathing and other waters; air conditioning systems; and walls and floors in private, public, and industrial areas and in other areas for professional activities.</p> <p>Products used for disinfection of air, water not used for human or animal consumption, chemical toilets, wastewater, hospital waste and soil.</p> <p>Products used as algaecides for treatment of swimming pools, aquariums and other waters and for remedial treatment of construction materials.</p>																																																			

¹ To be checked against ECHA's [information on biocidal active substances](#) and [Eur-lex](#).

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Products used to be incorporated in textiles, tissues, masks, paints and other articles or materials with the purpose of producing treated articles with disinfecting properties.		
Substance name	EC/List no.	CAS no.
polyhexamethylene biguanide hydrochloride with a mean number-average molecular weight (Mn) of 1415 and a mean polydispersity (PDI) of 4.7 (PHMB(1415;4.7))	-	1802181-67-4
Amines, N-C10-16-alkyltrimethylenedi-, reaction products with chloroacetic acid (Ampholyt 20)	-	139734-65-9
Peracetic acid generated from tetra-acetythylenediamine (TAED) and sodium percarbonate	-	-
Calcium magnesium tetrahydroxide/calcium magnesium hydroxide/hydrated dolomitic lime	254-454-1	39445-23-3
polyhexamethylene biguanide hydrochloride with a mean number-average molecular weight (Mn) of 1600 and a mean polydispersity (PDI) of 1.8 (PHMB(1600;1.8))	-	27083-27-8
Citric acid	201-069-1	77-92-9
Active chlorine released from calcium hypochlorite	231-908-7	7778-54-3
Peracetic acid	201-186-8	79-21-0
Calcium magnesium oxide/dolomitic lime	253-425-0	37247-91-9
Propan-1-ol	200-746-9	71-23-8
Hydrochloric acid	231-595-7	-
Calcium oxide/lime/burnt lime/quicklime	215-138-9	1305-78-8
L-(+)-lactic acid	201-196-2	79-33-4
5-chloro-2-(4-chlorophenoxy)phenol (DCPP)	429-290-0	3380-30-1
Mixture of 5-chloro-2-methyl-2H- isothiazol-3-one (EINECS 247-500-7) and 2-methyl-2H-isothiazol-3-one (EINECS 220-239-6) (Mixture of CMIT/MIT)	-	55965-84-9
Nonanoic acid, Pelargonic acid	203-931-2	112-05-0
Active chlorine released from sodium hypochlorite	231-668-3	7681-52-9
Active chlorine released from chlorine	231-959-5	7782-50-5
Propan-2-ol	200-661-7	67-63-0
Biphenyl-2-ol	201-993-5	90-43-7
Chlorocresol	200-431-6	59-50-7
Glutaral (Glutaraldehyde)	203-856-5	111-30-8
Calcium dihydroxide/calcium hydroxide/caustic lime/hydrated lime/slaked lime	215-137-3	1305-62-0
Copper sulphate pentahydrate	231-847-6	7758-99-8
Hydrogen peroxide	231-765-0	7722-84-1
WHICH ACTIVE SUBSTANCES ARE UNDERGOING REVIEW FOR PRODUCT TYPE 2?		
Active Substance		
Performic acid generated from formic acid and hydrogen peroxide	-	-
Peracetic acid generated from 1,3-diacetyloxypropan-2-yl acetate and hydrogen peroxide	-	-
active chlorine generated from sodium chloride and pentapotassium bis(peroxymonosulphate) bis(sulphate) and sulphamic acid	-	-
active chlorine generated from magnesium chloride hexahydrate and potassium chloride by electrolysis	-	-
Active chlorine released from hypochlorous acid	-	-
Active bromine generated from sodium bromide and chlorine	-	-
Active bromine generated from sodium bromide by electrolysis	-	-
active bromine generated from ozone and bromide of natural water and sodium bromide	-	-
Chlorine dioxide generated from sodium chlorite by oxidation	-	-
Active chlorine generated from potassium chloride by electrolysis	-	-
Active chlorine generated from sodium chloride and pentapotassium bis(peroxymonosulphate) bis(sulphate)	-	-
Active bromine generated from sodium bromide and calcium hypochlorite	-	-
hydrogen peroxide released from sodium percarbonate	-	-
Active chlorine generated from hydrochloric acid by electrolysis	-	-
silver phosphoborate glass	-	-
Peracetic acid generated by perhydrolysis of N-acetylcaprolactam by hydrogen peroxide in alkaline conditions	-	-

Reaction mass of titanium dioxide and silver chloride active chlorine generated from magnesium chloride hexahydrate by electrolysis	-	-
Free radicals generated in situ from ambient air or water	-	-
Silver phosphate glass	-	308069-39-8
Active chlorine generated from chloride of ambient water by electrolysis	-	-
Chlorine dioxide generated from sodium chlorate and hydrogen peroxide in the presence of a strong acid	-	-
Reaction products of aluminium trihydroxide and hydrochloric acid and aluminium and water	-	-
Peracetic acid generated from tetracetylenediamine and hydrogen peroxide	-	-
Active chlorine generated from sodium chloride by electrolysis	-	-
Silver borophosphate glass	-	-
Chlorine dioxide generated from sodium chlorite by acidification	-	-
Bromochloro-5,5-dimethylimidazolidine-2,4-dione (BCDMH/Bromochlorodimethylhydantoin)	251-171-5	32718-18-6
2,2-dibromo-2-cyanoacetamide (DBNPA)	233-539-7	10222-01-2
Alkyl (C12-C14) dimethylbenzylammonium chloride (ADBAC (C12-C14))	287-089-1	85409-22-9
Polymer of N-Methylmethanamine (EINECS 204-697-4 with (chloromethyl) oxirane (EINECS 203-439-8)/Polymeric quaternary ammonium chloride (PQ Polymer)	-	25988-97-0
.alpha.,.alpha.',.alpha.'" -trimethyl-1,3,5-triazine-1,3,5(2H,4H,6H)-triethanol (HPT)	246-764-0	25254-50-6
Magnesium monoperoxyphthalate hexahydrate (MMPP)	279-013-0	84665-66-7
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, salts with 1,2-benzisothiazol-3(2H)-one 1,1-dioxide	273-545-7	68989-01-5
Silver zinc zeolite	-	130328-20-0
Chloramin B	204-847-9	127-52-6
Tosylchloramide sodium (Tosylchloramide sodium - Chloramin T)	204-854-7	127-65-1
Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-16))	270-325-2	68424-85-1
2-Phenoxyethanol	204-589-7	122-99-6
Didecyldimethylammonium chloride(DDAC)	230-525-2	7173-51-5
Alkyl (C12-18) dimethylbenzyl ammonium chloride (ADBAC (C12-18))	269-919-4	68391-01-5
Chlorine dioxide generated from sodium chlorite by electrolysis	-; 233-162-8	-; 10049-04-4
Active Chlorine: manufactured by the reaction of hypochlorous acid and sodium hypochlorite produced in situ	-	-
Sodium dichloroisocyanurate dihydrate	220-767-7	51580-86-0
Troclosene sodium	220-767-7	2893-78-9
Didecyldimethylammonium chloride (DDAC (C8-10))	270-331-5	68424-95-3
Symclosene	201-782-8	87-90-1
Alkyl (C12-C14) dimethyl(ethylbenzyl)ammonium chloride (ADEBAC (C12-C14))	287-090-7	85409-23-0
3,3'-methylenebis[5-methyloxazolidine] (Oxazolidin/MBO)	266-235-8	66204-44-2
Formic acid	200-579-1	64-18-6
Peroxyoctanoic acid	-	33734-57-5
Reaction mass of peracetic acid and peroxyoctanoic acid	-	-
Silver nitrate	231-853-9	7761-88-8
Pyrrithione zinc (Zinc pyrrithione)	236-671-3	13463-41-7
Active bromine generated from sodium bromide and sodium hypochlorite	-; 231-599-9	-; 7647-15-6
Sodium bromide	231-599-9	7647-15-6
Silver chloride	232-033-3	7783-90-6
Tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5 (1H,3H)-dione (TMAD)	226-408-0	5395-50-6
Dimethyloctadecyl[3-(trimethoxysilyl)propyl]ammonium chloride	248-595-8	27668-52-6
Clorophene (Chlorophene)	204-385-8	120-32-1
Glyoxal	203-474-9	107-22-2
Ozone generated from oxygen	-	10028-15-6

D-gluconic acid, compound with N,N''-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine(2:1) (CHDG)	242-354-0	18472-51-0
Salicylic acid	200-712-3	69-72-7
Poly(oxy-1,2-ethanediyl), .alpha.-[2-(dicylmethylammonio)ethyl]- .omega.- hydroxy-, propanoate (salt) (Bardap 26)	-	94667-33-1
Pentapotassium bis(peroxymonosulphate) bis(sulphate)	274-778-7	70693-62-8
Copper	231-159-6	7440-50-8
chlorine dioxide	-; 233-162-8	10049-04-4
Pyridine-2-thiol 1-oxide, sodium salt (Sodium pyrithione)	223-296-5	3811-73-2
Silver	231-131-3	7440-22-4
Ethanol	200-578-6	64-17-5
Glycolic acid	201-180-5	79-14-1
1,2-benzisothiazol-3(2H)-one (BIT)	220-120-9	2634-33-5
Dialuminium chloride pentahydroxide (ethylenedioxy)dimethanol (Reaction products of ethylene glycol with paraformaldehyde (EGForm))	234-933-1	12042-91-0
Reaction products of: glutamic acid and N-(C12-C14-alkyl)propylenediamine (Glucoprotamin)	222-720-6	3586-55-8
6-(phthalimido)peroxyhexanoic acid (PAP)	403-950-8	164907-72-6
Chlorine dioxide generated from Tetrachlorodecaoxide complex (TCDO) by acidification	410-850-8	128275-31-0
Tetrachlorodecaoxide complex (TCDO)	-; 420-970-2	-; 92047-76-2
Bronopol	420-970-2	92047-76-2
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (Diamine)	200-143-0	52-51-7
Ethylene oxide	219-145-8	2372-82-9
Formaldehyde	200-849-9	75-21-8
	200-001-8	50-00-0