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The survey of REACH SVHC (18th 181 substances)

1. The Applicable Panasonic Series Part Number

Products Name	Customer Part Number	Panasonic Part Number
Power Choke Coil	-	ETQPH/2H/3H/4L/5L series
Power Choke Coil	-	ETQP3M/4M/5M/6M series
Choke Coil	-	ELC06D/09D/10D/11D/12D/12E/15E/16B/18B/18E series
SMD Choke Coil	-	ELC3FN/3GN series
SMD Choke Coil	-	ELL4FG/4GG/4LG/6GG/6PG/6SH/6UH/8TP series
SMD Choke Coil	-	ELLATP/ATV/CTP/VEG/VGG series
Coil type EMI Filters	-	ELKE/ELKEA series
Voltage Step-up Coil	-	ELT3KN/5KN/5KT series

2. The target substance and answer

	The target substance name	Substance CAS no.	Intentionally added or not	
Oct. 2008 1st	1 Anthracene	120-12-7	Not intentionally added	
	2 4,4'- Diaminodiphenylmethane	101-77-9	Not intentionally added	
	3 Dibutyl phthalate	84-74-2	Not intentionally added	
	4 Cobalt dichloride	7646-79-9	Not intentionally added	
	5 Diarsenic pentaoxide	1303-28-2	Not intentionally added	
	6 Diarsenic trioxide	1327-53-3	Not intentionally added	
	7 Sodium dichromate, dihydrate	7789-12-0	Not intentionally added	
	8 5-tert-butyl-2,4,6-trinitro-m-xylene	81-15-2	Not intentionally added	
	9 Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	Not intentionally added	
	10 Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α-HBCDD, β-HBCDD, γ-HBCDD)	25637-99-4 and 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8)	Not intentionally added	
	11 Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	Not intentionally added	
	12 Bis(tributyltin)oxide	56-35-9	Not intentionally added	
	13 Lead hydrogen arsenate	7784-40-9	Not intentionally added	
	14 Triethyl arsenate	15606-95-8	Not intentionally added	
	15 Benzyl butyl phthalate	85-68-7	Not intentionally added	
Jan. 2010 2nd	16 Anthracene oil	90640-80-5	Not intentionally added	
	17 Anthracene oil, anthracene paste, distn. Lights	91995-17-4	Not intentionally added	
	18 Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	Not intentionally added	
	19 Anthracene oil, anthracene-low	90640-82-7	Not intentionally added	
	20 Anthracene oil, anthracene paste	90640-81-6	Not intentionally added	
	21 Coal tar pitch, high temperature	65996-93-2	Not intentionally added	
	22 2,4-Dinitrotoluene	121-14-2	Not intentionally added	
	23 Diisobutyl phthalate	84-69-5	Not intentionally added	
	24 Lead chromate	7758-97-6	Not intentionally added	
	25 Lead chromate molybdate sulphate red	12656-85-8	Not intentionally added	
	26 Lead sulphochromate yellow	1344-37-2	Not intentionally added	
	27 tris(2-chloroethyl)phosphate	115-96-8	Not intentionally added	
	28 Acrylamide	79-06-1	Not intentionally added	
	Mar. 2010 Jun 2010 3rd	29 Trichloroethylene	79-01-6	Not intentionally added
30 Boric acid		10043-35-3 and 11113-50-1	Not intentionally added	
31 Disodium tetraborate, anhydrous		1303-96-4, 1330-43-4, 12179-04-3	Not intentionally added	
32 Tetraboron disodium heptaoxide, hydrate		12267-73-1	Not intentionally added	
33 Potassium chromate		7789-00-6	Not intentionally added	
34 Ammonium dichromate		7789-09-5	Not intentionally added	
35 Potassium dichromate		7778-50-9	Not intentionally added	
Dec. 2010 4th	36 Sodium chromate	7775-11-3	Not intentionally added	
	37 Cobalt (II) diacetate	71-48-7	Not intentionally added	
	38 Cobalt (II) carbonate	513-79-1	Not intentionally added	
	39 Cobalt dinitrate	10141-05-6	Not intentionally added	
	40 Cobalt (II) sulphate	10124-43-3	Not intentionally added	
	41 2-Ethoxyethanol	110-80-5	Not intentionally added	
	42 2-Methoxyethanol	109-86-4	Not intentionally added	
	43 Chromium trioxide	1333-82-0	Not intentionally added	
	44 Acids generated from chromium trioxide and their oligomers Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid	7738-94-5, 13530-68-2	Not intentionally added	
	Jun. 2011 5th	45 2-ethoxyethyl acetate	111-15-9	Not intentionally added
46 Strontium chromate		7789-06-2	Not intentionally added	
47 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters		68515-42-4	Not intentionally added	
48 Hydrazine		7803-57-8, 302-01-2	Not intentionally added	
49 1-methyl-2-pyrrolidone		872-50-4	Not intentionally added	
50 1,2,3-trichloropropane		96-18-4	Not intentionally added	
51 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich		71888-89-6	Not intentionally added	
52 Lead dipicrate		6477-64-1	Not intentionally added	
53 Lead stypnate		15245-44-0	Not intentionally added	
54 Lead diazide		13424-46-9	Not intentionally added	
55 Phenolphthalein		77-09-8	Not intentionally added	
Dec. 2011 6th	56 2,2'-Dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	Not intentionally added	
	57 N,N-Dimethylacetamide (DMAC)	127-19-5	Not intentionally added	
	58 Tinlead diarsenate	3687-31-8	Not intentionally added	
	59 Calcium arsenate	7778-44-1	Not intentionally added	
	60 Arsenic Acid	7778-39-4	Not intentionally added	
	61 Bis(2-methoxyethyl)ether	111-96-6	Not intentionally added	
	62 1,2-Dichloroethane	107-06-2	Not intentionally added	
	63 4-(1,1,3,3-tetramethylbutyl)phenol (4-tert-Octylphenol)	140-66-9	Not intentionally added	
	64 2-Methoxyaniline, o-Aristidine	90-04-0	Not intentionally added	
	65 Bis(2-methoxyethyl)phthalate (DMEP)	117-82-8	Not intentionally added	
	66 Formaldehyde, oligomeric reaction products with aniline (MDA)	25214-70-4	Not intentionally added	
	67 Pentazine chromate octahydroxide	49663-84-5	Not intentionally added	
	68 Potassium hydroxyoctaoxidizincate dichromate	11103-86-9	Not intentionally added	
	69 Dichromium tris (chromate)	24613-89-6	Not intentionally added	
	70 Aluminosilicate, Refractory Ceramic Fibres	-	Not intentionally added	
	71 Zirconia Aluminosilicate, Refractory Ceramic Fibres	-	Not intentionally added	
	Jun. 2012 7th	72 [4-[[4-anilino-1-naphthyl][4(dimethylamino)phenyl]methylenecyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	2580-56-5	Not intentionally added
		73 [4-[[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	548-62-9	Not intentionally added
		74 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	Not intentionally added
		75 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	Not intentionally added
76 1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (TGIC)		2451-62-9	Not intentionally added	
77 1,3,5-tris(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)		59653-74-6	Not intentionally added	
78 4,4'-bis(dimethylamino)-4'-(methylamino)trityl alcohol [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]		561-41-1	Not intentionally added	
79 4,4'-bis(dimethylamino)benzophenone (Michler's ketone)		90-94-8	Not intentionally added	
80 Diboron trioxide		1303-86-2	Not intentionally added	
81 Formamide		75-12-7	Not intentionally added	
82 Lead(II) bis(methanesulfonate)		17570-76-2	Not intentionally added	
83 N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)		101-61-1	Not intentionally added	
84 α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]		6786-83-0	Not intentionally added	

Dec. 2012 8th	85	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	Not intentionally added	
	86	Pentacosylfluorodecanoic acid	72629-94-8	Not intentionally added	
	87	Tricosylfluorodecanoic acid	307-55-1	Not intentionally added	
	88	Henicosylfluorodecanoic acid	2058-94-8	Not intentionally added	
	89	Heptacosylfluorodecanoic acid	376-06-7	Not intentionally added	
	90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues	-	Not intentionally added	
	91	4-Nonylphenol, branched and linear - substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof	-	Not intentionally added	
	92	Diazene-1,2-dicarboxamide (C'-azodi(formamide))	123-77-3	Not intentionally added	
	93	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	85-42-7	Not intentionally added	
	94	Hexahydro-1,2,4,5-tetrahydrophthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	Not intentionally added	
	95	Methoxy acetic acid	625-45-6	Not intentionally added	
	96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	Not intentionally added	
	97	Diisopentylphthalate (DIPP)	605-50-5	Not intentionally added	
	98	N-pentyl-isopentylphthalate	-	Not intentionally added	
	99	1,2-Diethoxyethane	629-14-1	Not intentionally added	
	100	N,N-dimethylformamide; dimethyl formamide	68-12-2	Not intentionally added	
	101	Dibutyltin dichloride (DBT)	683-18-1	Not intentionally added	
	102	Acetic acid, lead salt, basic	51404-69-4	Not intentionally added	
	103	Basic lead carbonate (trilead bis(carbonate)dihydroxide)	1319-46-6	Not intentionally added	
	104	Lead oxide sulfate (basic lead sulfate)	12036-76-9	Not intentionally added	
	105	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)	69011-06-9	Not intentionally added	
	106	Dioxobis(stearato)trilead	12578-12-0	Not intentionally added	
	107	Fatty acids, C16-18, lead salts	91031-62-8	Not intentionally added	
	108	Lead bis(tetrafluoroborate)	13814-96-5	Not intentionally added	
	109	Lead cyanidate	20837-86-9	Not intentionally added	
	110	Lead dinitrate	10099-74-8	Not intentionally added	
	111	Lead oxide (lead monoxide)	1317-36-8	Not intentionally added	
	112	Lead tetroxide (orange lead)	1314-41-6	Not intentionally added	
	113	Lead titanium trioxide	12060-00-3	Not intentionally added	
	114	Lead Titanium Zirconium Oxide	12626-81-2	Not intentionally added	
	115	Pentalead tetraoxide sulphate	12065-90-6	Not intentionally added	
	116	Pyrochlore, antimony lead yellow	8012-00-8	Not intentionally added	
	117	Silicic acid, barium salt, lead-doped	68784-75-8	Not intentionally added	
	118	Silicic acid, lead salt	11120-22-2	Not intentionally added	
	119	Sulfurous acid, lead salt, dibasic	62229-08-7	Not intentionally added	
	120	Tetraethyllead	78-00-2	Not intentionally added	
	121	Tetralead trioxide sulphate	12202-17-4	Not intentionally added	
	122	Trilead dioxide phosphonate	12141-20-7	Not intentionally added	
	123	Furan	110-00-9	Not intentionally added	
	124	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	Not intentionally added	
	125	Diethyl sulphate	64-67-5	Not intentionally added	
	126	Dimethyl sulphate	77-78-1	Not intentionally added	
	127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	Not intentionally added	
	128	Dinoseb	88-85-7	Not intentionally added	
	129	4,4'-methylenedi-o-toluidine	838-88-0	Not intentionally added	
	130	4,4'-oxydianiline and its salts	101-80-4	Not intentionally added	
131	4-Aminazobenzene; 4-Phenylazobenzene	60-09-3	Not intentionally added		
132	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	Not intentionally added		
133	6-methoxy-m-toluidine (p-cresidine)	120-71-8	Not intentionally added		
134	Biphenyl-4-ylamine	92-67-1	Not intentionally added		
135	o-aminoazotoluene	97-56-3	Not intentionally added		
136	o-Toluidine; 2-Aminotoluene	95-53-4	Not intentionally added		
137	N-methylacetamide	79-16-3	Not intentionally added		
138	1-bromopropane; n-propyl bromide	106-94-5	Not intentionally added		
Jun. 2013 9th	139	Cadmium	7440-43-9	Not intentionally added	
	140	Cadmium oxide	1306-19-0	Not intentionally added	
	141	Dipentyl phthalate (DPP)	131-18-0	Not intentionally added	
	142	4-Nonylphenol, branched and linear, ethoxylated	-	Not intentionally added	
	143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	Not intentionally added	
Dec. 2013 10th	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	Not intentionally added	
	145	Cadmium sulphide	1306-23-6	Not intentionally added	
	146	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	Not intentionally added	
	147	Disodium 4-amino-3'-[[4-(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	Not intentionally added	
	148	Dihexyl phthalate	84-75-3	Not intentionally added	
	149	Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7	Not intentionally added	
	150	Lead diacetate	301-04-2	Not intentionally added	
	151	Triethyl phosphate	25155-23-1	Not intentionally added	
	Jun. 2014 11th	152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	Not intentionally added
		153	Cadmium chloride	10108-64-2	Not intentionally added
154		Sodium perborate; perboric acid, sodium salt	EC Number 239-172-9; 234-390-0	Not intentionally added	
155		Sodium peroxometaborate	7632-04-4	Not intentionally added	
156		Cadmium fluoride	7790-79-6	Not intentionally added	
Dec. 2014 12th	157	Cadmium sulphate	10124-36-4, 31119-53-6	Not intentionally added	
	158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	Not intentionally added	
	159	2-(2H-benzotriazol-2-yl)-4,6-ditertbutylphenol (UV-328)	25973-55-1	Not intentionally added	
	160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	Not intentionally added	
	161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-(2-ethylhexyloxy)-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	-	Not intentionally added	
	Jun. 2015 13th	162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5[1] 68648-93-1[2]	Not intentionally added
		163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] (covering any of the individual stereoisomers of [1] and [2] or any combination thereof)	-	Not intentionally added
Dec. 2015 14th		164	1,3-propanesultone	1120-71-4	Not intentionally added
	165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	Not intentionally added	
	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	Not intentionally added	
	167	Nitrobenzene	98-95-3	Not intentionally added	
	168	Perfluorononane-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-heptafluorononanoic acid and its sodium and ammonium salts)	375-95-1 21049-39-8 4149-60-4	Not intentionally added	
Jun. 2016 15th	169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	Not intentionally added	
Jan. 2017 16th	170	4,4'-isopropylidenediphenol (bisphenol A; BPA)	80-05-7	Not intentionally added	
	171	4-heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-	Not intentionally added	
	172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts • Nonadecafluorodecanoic acid (335-76-2) • Decanoic acid, nonadecafluoro-, sodium salt (3830-45-3) • Ammonium nonadecafluorodecanoate (3108-42-7)	335-76-2 3830-45-3 3108-42-7	Not intentionally added	
	173	p-(1,1-dimethylpropyl)phenol	80-46-6	Not intentionally added	
	174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	-	Not intentionally added	
Jul. 2017 17th	175	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus™")	-	Not intentionally added	
Jan. 2018 18th	176	Benz[a]anthracene	56-55-3, 1718-53-2	Not intentionally added	
	177	Cadmium carbonate	513-78-0	Not intentionally added	
	178	Cadmium hydroxide	21041-95-2	Not intentionally added	
	179	Cadmium nitrate	10022-68-1, 10325-94-7	Not intentionally added	
	180	Chrysene	218-01-9, 1719-03-5	Not intentionally added	
	181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	-	Not intentionally added	

We have judged from the theoretical value of the current ingredient table.

Thanks and Best Regards