

## **TEST REPORT**

**Report Number:** (6222)206-0099 August 10, 2022

Date Received: July 25, 2022 Page 1 of 23

SteelSeries ApS Havneholmen 8, 1st floor DK-2450 Copenhagen SV Denmark

Sample Description: Gaming controller

Item No(s): GC-00007

Test Period: July 25, 2022 to August 10, 2022

#### SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
Candidate List of Substances of Very High Concern for authorization published by European Chemicals Agency (ECHA) Regarding Regulation (EC) No. 1907/2006 concerning REACH	PASS	The conclusion is based on the actual test and the information provided by the customer.

#### REMARK

If there are questions or concerns on this report, please contact:

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BUREAU VERITAS CONSUMER PRODUCTS SERVICES (H.K.) LIMITED, TAIWAN BRANCH

PREPARED BY : Tiffany Chin

VICO LIN MANAGER

ANALYTICAL DEPARTMENT

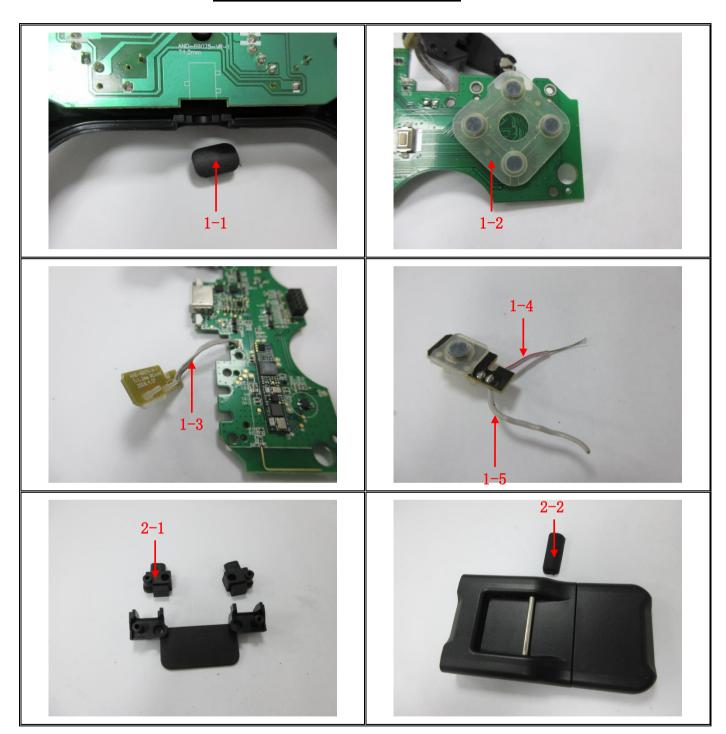
C/N/TC/JK

Bureau Veritas Consumer Product Service (H.K.) Ltd. Taiwan Branch 37, Zhongyang S Rd., Sec. 2, Beitou, Taipei 112, Taiwan, R.O.C. Tel: 886-2-2895-3666 Fax: 886-2-2895-6999 http://www.cps.bureaureritas.com This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at <a href="http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/">http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/</a> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute you unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.









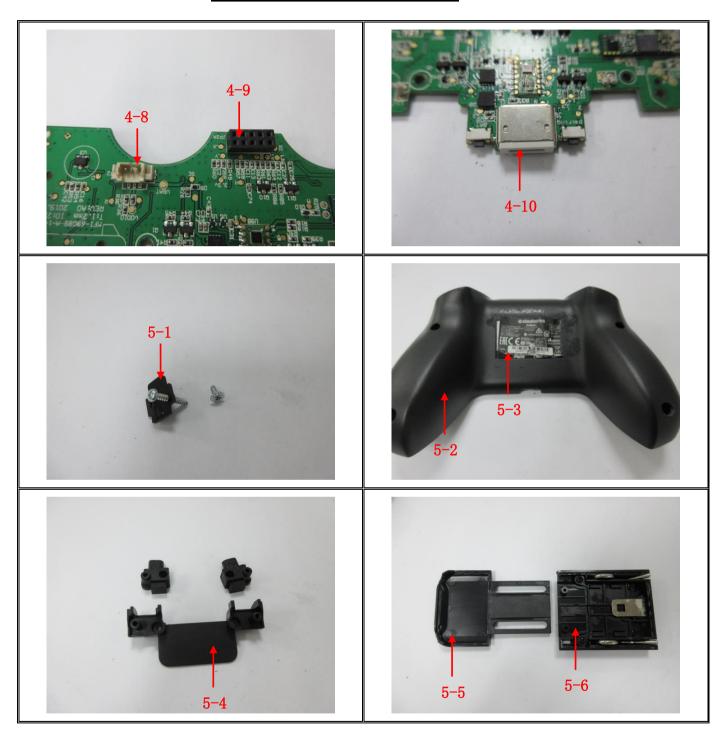




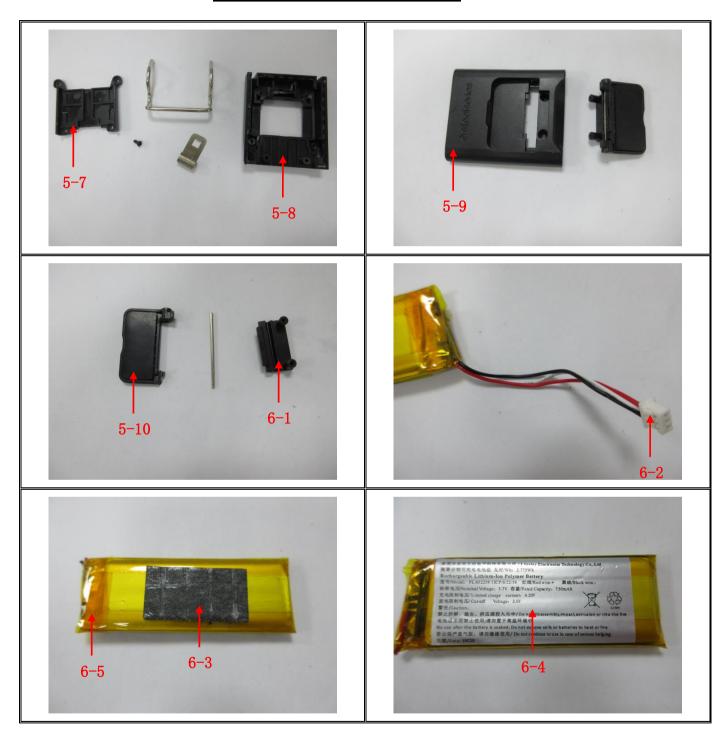




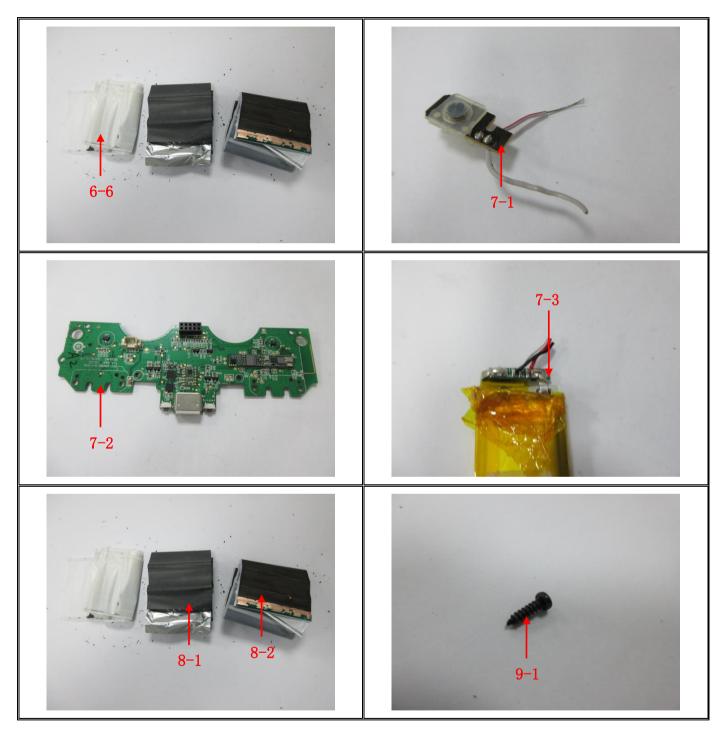






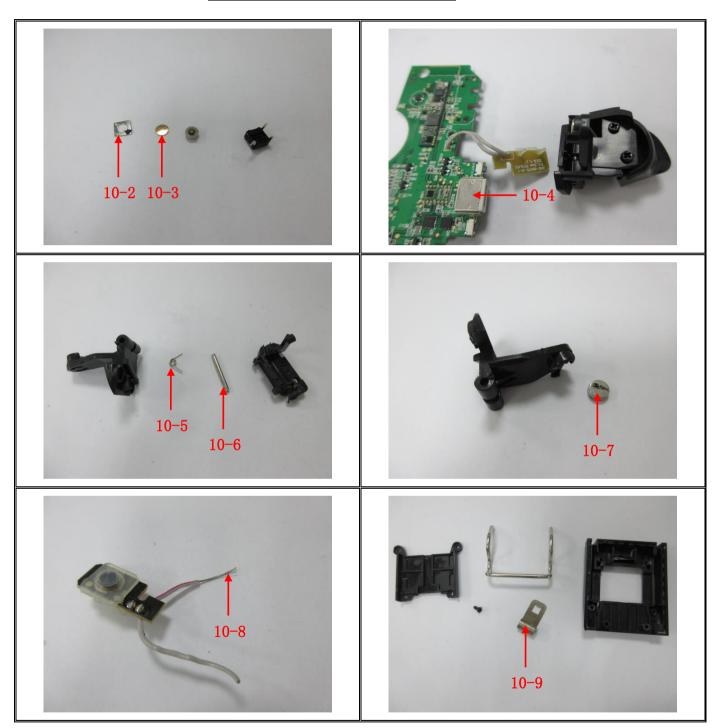






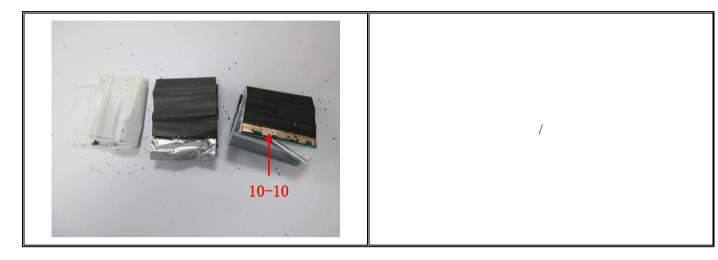








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#### **TEST RESULT**

## <u>Candidate List of Substances of Very High Concern for authorization published by European Chemicals Agency (ECHA) Regarding Regulation (EC) No. 1907/2006 concerning REACH</u>

Method: Analysis is based on GC, LC, IC, ICP and UV, with various detection techniques.

Test Item 1:	Soft plastic group
Test Item 2:	Soft plastic group
Test Item 3:	Hard plastic group
Test Item 4:	Hard plastic group
Test Item 5:	Hard plastic group
Test Item 6:	Hard plastic group
Test Item 7:	PCB group
Test Item 8:	Glass group
Test Item 9:	Metal group
Test Item 10:	Metal group

Maximum Allowable Limit:	0.1% (Each of listed)
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Togtod Home(a)	Result				Complession
Tested Item(s)	Detected Analyte(s)		Conc.	Unit	Conclusion
1		ND	ND	%	PASS
2		ND	ND	%	PASS
3		ND	ND	%	PASS
4		ND	ND	%	PASS
5	No. 170	4,4'-isopropylidenediphenol (bisphenol A)	0.033	%	PASS
6		ND		%	PASS
7		ND		%	PASS
	No. 5	Cobalt dichloride*	ND*		
	No. 33	Disodium tetraborate, anhydrous*	0.0121)		
8	No. 34	Tetraboron disodium heptaoxide, hydrate*	$0.012^{1)}$	%	PASS
	No. 41	Cobalt(II) carbonate*	ND*		
	No. 218	Orthoboric acid, sodium salt*	$0.016^{1)}$		
9	ND		ND	%	PASS
10		ND	ND	%	PASS



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Note:

ND = Not detected Conc. = Concentration

ND\*= Based on the verification of the specific element detected and the information provided by the customer, this element is very unlikely to exist in this form of SVHC, although it is not entirely possible to exclude its existence, the specific elements in this sample should originate from other compounds.

mg/kg = milligram per kilogram % = percentage 1 mg/kg = 0.0001% Detection Limit (%): See Appendix.

The detected SVHC and its value will be shown in above table, the else SVHC not shown in the table will be regarded as ND. When all SVHC for test are not detected, it will be shown ND.

1) Result is based on the Boron concentration. The substance(s) is (are) very likely to be present. Due to the limit of the analytical technology available, any further investigation is not feasible. The client is strongly advised to review the chemical formulation to ascertain.

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### **APPENDIX**

No.	Substance name	CAS No.	EC No.	Detection Limit, %	Basis for identification as a SVHC
1	Triethyl arsenate*	15606-95-8	427-700-2	0.01	Carcinogenic
2	Anthracene	120-12-7	204-371-1	0.005	PBT
3	4,4'-Diaminodiphenyl	101-77-9	202-974-4	0.005	Carcinogenic
	methane (MDA)				
4	Dibutyl phthalate (DBP)	84-74-2	201-557-4	0.005	Toxic for reproduction
5	Cobalt dichloride*	7646-79-9	231-589-4	0.01	Carcinogenic
6	Diarsenic pentaoxide*	1303-28-2	215-116-9	0.01	Carcinogenic
7	Diarsenic trioxide*	1327-53-3	215-481-4	0.01	Carcinogenic;
8	Sodium dichromate*	7789-12-0 <sup>(1)</sup> , 10588-01-9 <sup>(2)</sup>	234-190-3	0.01	Mutagenic; Toxic for reproduction
9	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	0.005	vPvB
10	Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	204-211-0	0.005	Toxic for reproduction
11	Hexabromo cyclododecane (HBCDD) and all major diastereoisomers identified: $\alpha$ - HBCDD $\beta$ - HBCDD $\gamma$ - HBCDD	3194-55-6 <sup>(3)</sup> , 25637-99-4 <sup>(4)</sup> 134237-50-6 134237-51-7 134237-52-8	247-148-4, 221-695-9	0.005	РВТ
12	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (SCCP)	85535-84-8	287-476-5	0.01	PBT, vPvB
13	Bis(tributyltin)oxide (TBTO)**	56-35-9	200-268-0	0.005	PBT
14	Lead hydrogen arsenate*	7784-40-9	232-064-2	0.01	Carcinogenic; Toxic for reproduction
15	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	0.005	Toxic for reproduction
16	2,4-Dinitrotoluene	121-14-2	204-450-0	0.005	Carcinogenic
17	Anthracene oil	90640-80-5	292-602-7	0.01	Carcinogenic, PBT, vPvB
18	Anthracene oil, anthracene paste, distn. Lights	91995-17-4	295-278-5	0.01	Carcinogenic; Mutagenic, PBT, vPvB
19	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	0.01	Carcinogenic; Mutagenic, PBT, vPvB
20	Anthracene oil, anthracene-low	90640-82-7	292-604-8	0.01	Carcinogenic; Mutagenic, PBT, vPvB
21	Anthracene oil, anthracene paste	90640-81-6	292-603-2	0.01	Carcinogenic; Mutagenic, PBT, vPvB
22	Diisobutyl phthalate	84-69-5	201-553-2	0.005	Toxic for reproduction
23	Aluminosilicate, Refractory Ceramic Fibres*a	Index no. 650-0	17-00-8	0.01	Carcinogenic
24	Zirconia Aluminosilicate, Refractory Ceramic Fibres*b	Index no. 650-0	17-00-8	0.01	Carcinogenic
25	Lead chromate*	7758-97-6	231-846-0	0.01	Carcinogenic; Toxic for reproduction
26	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)*	12656-85-8	235-759-9	0.01	Carcinogenic; Toxic for reproduction
27	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	215-693-7	0.01	Carcinogenic; Toxic for reproduction
28	Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	204-118-5	0.005	Toxic for reproduction
29	Coal tar pitch, high temperature	65996-93-2	266-028-2	0.01	Carcinogenic, PBT, vPvB
30	Acrylamide	79-06-1	201-173-7	0.005	Carcinogenic; Mutagenic
31	Trichloroethylene	79-01-6	201-167-4	0.005	Carcinogenic
32	Boric acid*	10043-35-3, 11113-50-1	233-139-2 / 234-343-4	0.01	Toxic for reproduction
33	Disodium tetraborate, anhydrous*	1330-43-3(5), 12179-04-3(6), 1303-96-4(7)	215-540-4	0.01	Toxic for reproduction

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### **APPENDIX**

No.	Substance name	CAS No.	EC No.	Detection Limit, %	Basis for identification as a SVHC
34	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	235-541-3	0.01	Toxic for reproduction
35	Sodium chromate*	7775-11-3	231-889-5	0.01	Carcinogenic; Mutagenic; Toxic for reproduction
36	Potassium chromate*	7789-00-6	232-140-5	0.01	Carcinogenic; Mutagenic
37	Ammonium dichromate*	7789-09-5	232-143-1	0.01	Carcinogenic; Mutagenic; Toxic for reproduction
38	Potassium dichromate*	7778-50-9	231-906-6	0.01	Carcinogenic; Mutagenic; Toxic for reproduction
39	Cobalt(II) sulphate*	10124-43-3	233-334-2	0.01	Carcinogenic; Toxic for reproduction
40	Cobalt(II) dinitrate*	10141-05-6	233-402-1	0.01	Carcinogenic; Toxic for reproduction
41	Cobalt(II) carbonate*	513-79-1	208-169-4	0.01	Carcinogenic; Toxic for reproduction
42	Cobalt(II) diacetate*	71-48-7	200-755-8	0.01	Carcinogenic; Toxic for reproduction
43	2-Methoxyethanol	109-86-4	203-713-7	0.005	Toxic for reproduction
44	2-Ethoxyethanol	110-80-5	203-804-1	0.005	Toxic for reproduction
45	Chromium trioxide*	1333-82-0	215-607-8	0.01	Carcinogenic; Mutagenic
46	Acid generated from chromium trioxide and their oligomers: Chromic acid* Dichromic acid* Oligomers of chromic acid and dichromic acid*	7738-94-5 13530-68-2	231-801-5 236-881-5	0.01	Carcinogenic
47	2-Ethoxyethyl acetate	111-15-9	203-839-2	0.005	Toxic for reproduction
48	Strontium Chromate*	7789-06-2	232-142-6	0.01	Carcinogenic
49	1,2-benzenedicarboxylic acid, di-C7-11 branched alkyl ester and linear alkyl ester	68515-42-4	271-084-6	0.005	Toxic for reproduction
50	Hydrazine	302-01-2 7803-57-8	206-114-9	0.005	Carcinogenic
51	1-Methyl-2-pyrrolidone	872-50-4	212-828-1	0.005	Toxic for reproduction
52	1,2,3-trichloropropane	96-18-4	202-486-1	0.005	Toxic for reproduction
53	1,2-benzenedicarboxylic acid, di-C6-8- branched alkyl ester, C7-rich (DIHP)	71888-89-6	276-158-1	0.005	Toxic for reproduction
54	Dichromium tris(chromate)*	24613-89-6	246-356-2	0.01	Carcinogenic
55	Potassium hydroxyoctaoxodizincatedi- chromate*	11103-86-9	234-329-8	0.01	Carcinogenic
56	Pentazinc chromate octahydroxide*	49663-84-5	256-418-0	0.01	Carcinogenic
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	500-036-1	0.005	Carcinogenic
58	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	0.005	Toxic for reproduction
59	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	0.005	Carcinogenic
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	205-426-2	0.005	Equivalent level of concern
61	1,2-Dichloroethane	107-06-2	203-458-1	0.005	Carcinogenic
62	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	0.005	Toxic for reproduction
63	Arsenic acid*	7778-39-4	231-901-9	0.01	Carcinogenic
64	Calcium arsenate*	7778-44-1	231-904-5	0.01	Carcinogenic
65	Trilead diarsenate*	3687-31-8	222-979-5	0.01	Carcinogenic; Toxic for reproduction



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### **APPENDIX**

No.	Substance name	CAS No.	EC No.	Detection Limit, %	Basis for identification as a SVHC
66	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	0.005	Toxic for reproduction
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	0.005	Carcinogenic
68	Phenolphthalein	77-09-8	201-004-7	0.005	Carcinogenic
69	Lead azide, Lead diazide*	13424-46-9	236-542-1	0.01	Toxic for reproduction
70	Lead styphnate*	15245-44-0	239-290-0	0.01	Toxic for reproduction
71	Lead dipicrate*	6477-64-1	229-335-2	0.01	Toxic for reproduction
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	203-977-3	0.005	Toxic for reproduction
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	0.005	Toxic for reproduction
74	Diboron trioxide*	1303-86-2	215-125-8	0.01	Toxic for reproduction
75	Formamide	75-12-7	200-842-0	0.01	Toxic for reproduction
76	Lead(II) bis(methanesulfonate)*	17570-76-2	401-750-5	0.01	Toxic for reproduction
77	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione) §	2451-62-9	219-514-3	0.005	Mutagenic
78	β-TGIC (1,3,5-tris[(2S and 2R)-2,3- epoxypropyl]-1,3,5-triazine-2,4,6- (1H,3H,5H)-trione) §	59653-74-6	423-400-0	0.005	Mutagenic
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	202-027-5	0.005	Carcinogenic
80	N,N,N',N'-tetramethyl-4,4'- methylenedianiline (Michler's base)	101-61-1	202-959-2	0.005	Carcinogenic
81	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1- ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9	208-953-6	0.005	Carcinogenic
82	[4-[[4-anilino-1-naphthyl][4- (dimethylamino) phenyl]methylene]cyclohexa-2,5-dien-1- ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5	219-943-6	0.005	Carcinogenic
83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	229-851-8	0.01	Carcinogenic
84	4,4'-bis(dimethylamino)-4"- (methylamino)trityl alcohol	561-41-1	209-218-2	0.005	Carcinogenic
85	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	214-604-9	0.005	Persistent, bioaccumulative and toxic; very persistent and very bioaccumulative
86	N,N-dimethylformamide; dimethyl formamide	68-12-2	200-679-5	0.005	Toxic for reproduction
87	Methoxy acetic acid	625-45-6	210-894-6	0.005	Toxic for reproduction; equivalent level of concern
88	Dibutyltin dichloride (DBTC)*	683-18-1	211-670-0	0.01	Toxic for reproduction
89	1,2-Diethoxyethane	629-14-1	211-076-1	0.005	Toxic for reproduction
90	Hexahydro-2-benzofuran-1,3-dione (HHPA), cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7, 13149-00-3, 14166-21-3	201-604-9, 236-086-3, 238-009-9	0.01	Equivalent level of concern having probable serious effects to human health
91	Hexahydromethylphathalic anhydride, Hexahydro-4-methylphathalic anhydride, Hexahydro-1-methylphathalic anhydride, Hexahydro-3-methylphathalic anhydride	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	247-094-1, 243-072-0, 256-356-4, 260-566-1	0.01	Equivalent level of concern having probable serious effects to human health

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### **APPENDIX**

A-Konytphenol, branched and linear- substances with a linear and or branched   20 covalently thoun in position of a pitchenol,   21 covalently thoun in position of a pitchenol,   22 covalently thoun in position of a pitchenol,   23 covalently thoun in position of a pitchenol,   24 covalently thoun in position of a pitchenol,   25 covalently thoun in position of a pitchenol,   26 covalently thoun in position of a pitchenol,   26 covalently thou in position of a combination thereof   26 covalently though     27 covalently though     28 covalently though     28 covalently though     28 covalently though     28 covalently though     29 covalently though     29 covalently though     20 cova	No.	Substance name	CAS No.	EC No.	Detection Limit, %	Basis for identification as a SVHC
1.2 Benzendicianovajic acid, dipentylester, branched and linears   268-94-8   284-032-2   0.005   Toxic for reproduction branched and linears   268-94-8   218-165-4   0.005   Toxic for reproduction branched and linears   268-94-8   218-165-4   0.005   Toxic for reproduction   208-94-8   218-165-4   0.005   Toxic for reproduction   276-94-9   0.005   Toxic for reproduction   276-745-2   0.005   0.	92	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	-	-	0.005	having probable serious effects to
Henicosafluoroundecanoic acid   2058-94-8   218-165-4   0.005   Very persistent and very bioaccumulative   Pentacosafluorotridecanoic acid   776297-69-9   .   0.005   Toxic for reproduction   72629-94-8   276-745-2   0.005   Very persistent and very bioaccumulative   4-(1,1,3,3-teramethylbutylphenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues   .   0.005   Equivalent level of concern substances and UVCB substances, polymers and homologues   13814-96-5   237-486-0   0.01   Toxic for reproduction   101   Lead bis(tertafluoroborate)*   13814-96-5   237-486-0   0.01   Toxic for reproduction   102   Dientyl sulphare   64-67-5   200-589-6   0.005   Toxic for reproduction   103   Lead Titanium Zirconium Oxide*   12626-81-2   235-274   0.01   Toxic for reproduction   104   Lead Titanium Zirconium Oxide*   12626-81-2   235-274   0.01   Toxic for reproduction   105   Acetic acid, lead salt, basie*   51404-69-4   2257-175-3   0.01   Toxic for reproduction   107   N-methylacetamide   79-16-3   201-182-6   0.005   Toxic for reproduction   108   2-Aminotolane   79-16-3   201-182-6   0.005   Toxic for reproduction   108   2-Aminotolane   134800-04-2   421-150-7   0.01   Toxic for reproduction   108   2-Aminotolane   14800-04-2   421-150-7   0.01   Toxic for reproduction   108   2-Aminotolane   14800-04-2   235-383-9   0.01   Toxic for reproduction   108   2-Aminotolane   14800-04-2   243-853-7   0.01   Toxic for reproduction   109   3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-   0.005	93	Heptacosafluorotetradecanoic acid	376-06-7	206-803-4	0.005	
	94		84777-06-0	284-032-2	0.005	•
Pentacosafluorotridecanoic acid   72629-94-8   276-745-2   0.005   Very persistent and very bioaccumulative	95	Henicosafluoroundecanoic acid	2058-94-8	218-165-4	0.005	
4-(1,1,3-terramethybusty)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues   -   -   0.005   Equivalent level of concern and homologues   -   -   0.005   Equivalent level of concern and homologues   -   -   0.005   Equivalent level of concern and homologues   -   -   0.005   Equivalent level of concern and homologues   -   -   0.005   Very persistent and very bioaccumulative   -   0.005   Equivalent level of concern and homologues   -   0.005   Very persistent and very bioaccumulative   -   0.005   Equivalent level of concern and homologues   -   0.005   Very persistent and very bioaccumulative   -   0.005   Equivalent level of concern and homologues   -   0.005   Very persistent and very bioaccumulative   -   0.005   Equivalent level of concern and homologues   -   0.005   Very persistent and very bioaccumulative   -   0.005   Equivalent level of concern and homologues   -   0.005   Very persistent and very bioaccumulative   -   0.005	96	N-pentyl-isopentylphtalate (iPnPP)+	776297-69-9	-	0.005	_
ethoxylated - covering well-defined	97	Pentacosafluorotridecanoic acid	72629-94-8	276-745-2	0.005	
100   Lead bis(tetrafluoroborate)*   13814-96-5   237-486-0   0.01   Toxic for reproduction	98	ethoxylated - covering well-defined substances and UVCB substances, polymers	-	-	0.005	•
101   Lead tetroxide (orange lead)*	99	Tricosafluorododecanoic acid	307-55-1	206-203-2	0.005	bioaccumulative
Dichtyl sulphate	100	,	13814-96-5			
Dinoseb   88-85-7   201-861-7   0.005   Toxic for reproduction						
Lead Titanium Zirconium Oxide*   12626-81-2   235-727-4   0.01   Toxic for reproduction	102					
105   Acetic acid, lead salt, basic*   51404-69-4   257-175-3   0.01   Toxic for reproduction	103		88-85-7			
106   Furan   110-00-9   203-727-3   0.01   Carcinogenic     107   N-methylacetamide   79-16-3   201-182-6   0.005   Toxic for reproduction     108   Carcinogenic   2-Aminotoluene   95-53-4   202-429-0   0.005   Carcinogenic     109   3-ethyl-2-methyl-2-(3-methylbutyl)-1,3- oxazolidine   143860-04-2   421-150-7   0.01   Toxic for reproduction     101   4,4'-oxydianiline and its salts   101-80-4   202-977-0   0.005   Carcinogenic; Mutagenic     111   Phthalato(2-) dioxotrilead (Dibasic lead phthalate)*   69011-06-9   273-688-5   0.01   Toxic for reproduction     112   Lead titanium trioxide*   12060-00-3   235-038-9   0.01   Toxic for reproduction     113   Lead oxide sulphate*   12036-76-9   234-853-7   0.01   Toxic for reproduction     114   Lead dinitrate*   10099-74-8   233-245-9   0.01   Toxic for reproduction     115   4-Aminoazobenzene;   60-09-3   200-453-6   0.005   Carcinogenic     4-Phenylazoaniline   60-09-3   200-453-6   0.005   Carcinogenic     116   Lead cyanamidate*   12202-17-4   235-380-9   0.01   Toxic for reproduction     117   Tetralead trioxide sulphate*   12202-17-4   235-380-9   0.01   Toxic for reproduction     118   4-methyl-m-phenylenediamine (2,4-toluene-diamine)   4-methyl-m-phenylenediamine (2,4-toluene-diamine)   95-80-7   202-453-1   0.005   Carcinogenic     119   Pyrochlore, antimony lead yellow*   8012-00-8   232-382-1   0.01   Toxic for reproduction     120   Trilead bis(carbonate)dihydroxide (basic lead carbonate)*   1319-46-6   215-290-6   0.01   Toxic for reproduction     121   Dimethyl sulphate   77-78-1   201-058-1   0.005   Carcinogenic     122   Dioxobis(stearato)trilead*   12578-12-0   235-702-8   0.01   Toxic for reproduction     123   Silicic acid, barium salt, lead-doped*   68784-75-8   272-271-5   0.01   Toxic for reproduction     124   Biphenyl-4-ylamine   92-67-1   202-177-1   0.005   Carcinogenic     125   Lead oxide (lead monoxide)*   1317-36-8   215-267-0   0.01   Toxic for reproduction     126   Pentalead terraoxide sulphate*   12065-90-6   235-067-7   0.01						
107 N-methylacetamide	105					
108	106					Č
2-Aminotoluene   3-ethyl-2-methyl-2-(3-methylbutyl)-1,3- oxazolidine   143860-04-2   421-150-7   0.01   Toxic for reproduction	107		79-16-3	201-182-6	0.005	Toxic for reproduction
119   oxazolidine   143860-04-2   421-130-7   0.001   163kc for reproduction	108	2-Aminotoluene	95-53-4	202-429-0	0.005	Carcinogenic
Phthalato(2-) dioxotrilead (Dibasic lead phthalate)*   12060-00-3   235-038-9   0.01   Toxic for reproduction	109	oxazolidine	143860-04-2	421-150-7	0.01	Toxic for reproduction
phthalate)*	110		101-80-4	202-977-0	0.005	Carcinogenic; Mutagenic
113   Lead oxide sulphate*   12036-76-9   234-853-7   0.01   Toxic for reproduction	111		69011-06-9	273-688-5	0.01	Toxic for reproduction
114   Lead dinitrate*   10099-74-8   233-245-9   0.01   Toxic for reproduction     115   4-Aminoazobenzene;	112	Lead titanium trioxide*	12060-00-3	235-038-9	0.01	Toxic for reproduction
115   4-Aminoazobenzene;   4-Phenylazoaniline   60-09-3   200-453-6   0.005   Carcinogenic     116   Lead cyanamidate*   20837-86-9   244-073-9   0.01   Toxic for reproduction     117   Tetralead trioxide sulphate*   12202-17-4   235-380-9   0.01   Toxic for reproduction     118   4-methyl-m-phenylenediamine (2,4-toluene-diamine)   95-80-7   202-453-1   0.005   Carcinogenic     119   Pyrochlore, antimony lead yellow*   8012-00-8   232-382-1   0.01   Toxic for reproduction     120   Trilead bis(carbonate)dihydroxide (basic lead carbonate)*   1319-46-6   215-290-6   0.01   Toxic for reproduction     121   Dimethyl sulphate   77-78-1   201-058-1   0.005   Carcinogenic     122   Dioxobis(stearato)trilead*   12578-12-0   235-702-8   0.01   Toxic for reproduction     123   Silicic acid, barium salt, lead-doped*   68784-75-8   272-271-5   0.01   Toxic for reproduction     124   Biphenyl-4-ylamine   92-67-1   202-177-1   0.005   Carcinogenic     125   Lead oxide (lead monoxide)*   1317-36-8   215-267-0   0.01   Toxic for reproduction     126   Pentalead tetraoxide sulphate*   12065-90-6   235-067-7   0.01   Toxic for reproduction     127   Propylene oxide;   75-56-9   200-879-2   0.01   Carcinogenic; Mutagenic	113	Lead oxide sulphate*	12036-76-9	234-853-7	0.01	Toxic for reproduction
116	114	Lead dinitrate*	10099-74-8	233-245-9	0.01	Toxic for reproduction
116   Lead cyanamidate*   20837-86-9   244-073-9   0.01   Toxic for reproduction     117   Tetralead trioxide sulphate*   12202-17-4   235-380-9   0.01   Toxic for reproduction     118   4-methyl-m-phenylenediamine (2,4-toluenediamine)   95-80-7   202-453-1   0.005   Carcinogenic     119   Pyrochlore, antimony lead yellow*   8012-00-8   232-382-1   0.01   Toxic for reproduction     120   Trilead bis(carbonate)dihydroxide (basic lead carbonate)*   1319-46-6   215-290-6   0.01   Toxic for reproduction     121   Dimethyl sulphate   77-78-1   201-058-1   0.005   Carcinogenic     122   Dioxobis(stearato)trilead*   12578-12-0   235-702-8   0.01   Toxic for reproduction     123   Silicic acid, barium salt, lead-doped*   68784-75-8   272-271-5   0.01   Toxic for reproduction     124   Biphenyl-4-ylamine   92-67-1   202-177-1   0.005   Carcinogenic     125   Lead oxide (lead monoxide)*   1317-36-8   215-267-0   0.01   Toxic for reproduction     126   Pentalead tetraoxide sulphate*   12065-90-6   235-067-7   0.01   Toxic for reproduction     127   Propylene oxide;   1,2-epoxypropane; methyloxirane   75-56-9   200-879-2   0.01   Carcinogenic; Mutagenic	115		60-09-3	200-453-6	0.005	Carcinogenic
118         4-methyl-m-phenylenediamine (2,4-toluene-diamine)         95-80-7         202-453-1         0.005         Carcinogenic           119         Pyrochlore, antimony lead yellow*         8012-00-8         232-382-1         0.01         Toxic for reproduction           120         Trilead bis(carbonate)dihydroxide (basic lead carbonate)*         1319-46-6         215-290-6         0.01         Toxic for reproduction           121         Dimethyl sulphate         77-78-1         201-058-1         0.005         Carcinogenic           122         Dioxobis(stearato)trilead*         12578-12-0         235-702-8         0.01         Toxic for reproduction           123         Silicic acid, barium salt, lead-doped*         68784-75-8         272-271-5         0.01         Toxic for reproduction           124         Biphenyl-4-ylamine         92-67-1         202-177-1         0.005         Carcinogenic           125         Lead oxide (lead monoxide)*         1317-36-8         215-267-0         0.01         Toxic for reproduction           126         Pentalead tetraoxide sulphate*         12065-90-6         235-067-7         0.01         Toxic for reproduction           127         Propylene oxide; 1,2-epoxypropane; methyloxirane         75-56-9         200-879-2         0.01         Carcinogenic; Mutagenic	116		20837-86-9	244-073-9	0.01	Toxic for reproduction
118   diamine   95-80-7   202-453-1   0.005   Carcinogenic     119   Pyrochlore, antimony lead yellow*   8012-00-8   232-382-1   0.01   Toxic for reproduction     120   Trilead bis(carbonate)dihydroxide (basic lead carbonate)*   1319-46-6   215-290-6   0.01   Toxic for reproduction     121   Dimethyl sulphate   77-78-1   201-058-1   0.005   Carcinogenic     122   Dioxobis(stearato)trilead*   12578-12-0   235-702-8   0.01   Toxic for reproduction     123   Silicic acid, barium salt, lead-doped*   68784-75-8   272-271-5   0.01   Toxic for reproduction     124   Biphenyl-4-ylamine   92-67-1   202-177-1   0.005   Carcinogenic     125   Lead oxide (lead monoxide)*   1317-36-8   215-267-0   0.01   Toxic for reproduction     126   Pentalead tetraoxide sulphate*   12065-90-6   235-067-7   0.01   Toxic for reproduction     127   Propylene oxide;   1,2-epoxypropane; methyloxirane   75-56-9   200-879-2   0.01   Carcinogenic; Mutagenic	117	Tetralead trioxide sulphate*	12202-17-4	235-380-9	0.01	Toxic for reproduction
Trilead bis(carbonate)dihydroxide (basic lead carbonate)*   1319-46-6   215-290-6   0.01   Toxic for reproduction	118	, i	95-80-7	202-453-1	0.005	Carcinogenic
Trilead bis(carbonate)dihydroxide (basic lead carbonate)*   1319-46-6   215-290-6   0.01   Toxic for reproduction	119	Pyrochlore, antimony lead yellow*	8012-00-8	232-382-1	0.01	Toxic for reproduction
121         Dimethyl sulphate         77-78-1         201-058-1         0.005         Carcinogenic           122         Dioxobis(stearato)trilead*         12578-12-0         235-702-8         0.01         Toxic for reproduction           123         Silicic acid, barium salt, lead-doped*         68784-75-8         272-271-5         0.01         Toxic for reproduction           124         Biphenyl-4-ylamine         92-67-1         202-177-1         0.005         Carcinogenic           125         Lead oxide (lead monoxide)*         1317-36-8         215-267-0         0.01         Toxic for reproduction           126         Pentalead tetraoxide sulphate*         12065-90-6         235-067-7         0.01         Toxic for reproduction           127         Propylene oxide; 1,2-epoxypropane; methyloxirane         75-56-9         200-879-2         0.01         Carcinogenic; Mutagenic	120				0.01	1
122         Dioxobis(stearato)trilead*         12578-12-0         235-702-8         0.01         Toxic for reproduction           123         Silicic acid, barium salt, lead-doped*         68784-75-8         272-271-5         0.01         Toxic for reproduction           124         Biphenyl-4-ylamine         92-67-1         202-177-1         0.005         Carcinogenic           125         Lead oxide (lead monoxide)*         1317-36-8         215-267-0         0.01         Toxic for reproduction           126         Pentalead tetraoxide sulphate*         12065-90-6         235-067-7         0.01         Toxic for reproduction           127         Propylene oxide; 1,2-epoxypropane; methyloxirane         75-56-9         200-879-2         0.01         Carcinogenic; Mutagenic	121		77-78-1	201-058-1	0.005	Carcinogenic
123         Silicic acid, barium salt, lead-doped*         68784-75-8         272-271-5         0.01         Toxic for reproduction           124         Biphenyl-4-ylamine         92-67-1         202-177-1         0.005         Carcinogenic           125         Lead oxide (lead monoxide)*         1317-36-8         215-267-0         0.01         Toxic for reproduction           126         Pentalead tetraoxide sulphate*         12065-90-6         235-067-7         0.01         Toxic for reproduction           127         Propylene oxide; 1,2-epoxypropane; methyloxirane         75-56-9         200-879-2         0.01         Carcinogenic; Mutagenic		Dioxobis(stearato)trilead*			_	
124         Biphenyl-4-ylamine         92-67-1         202-177-1         0.005         Carcinogenic           125         Lead oxide (lead monoxide)*         1317-36-8         215-267-0         0.01         Toxic for reproduction           126         Pentalead tetraoxide sulphate*         12065-90-6         235-067-7         0.01         Toxic for reproduction           127         Propylene oxide; 1,2-epoxypropane; methyloxirane         75-56-9         200-879-2         0.01         Carcinogenic; Mutagenic				272-271-5	0.01	Toxic for reproduction
125         Lead oxide (lead monoxide)*         1317-36-8         215-267-0         0.01         Toxic for reproduction           126         Pentalead tetraoxide sulphate*         12065-90-6         235-067-7         0.01         Toxic for reproduction           127         Propylene oxide; 1,2-epoxypropane; methyloxirane         75-56-9         200-879-2         0.01         Carcinogenic; Mutagenic						
126 Pentalead tetraoxide sulphate* 12065-90-6 235-067-7 0.01 Toxic for reproduction  127 Propylene oxide; 1,2-epoxypropane; methyloxirane 75-56-9 200-879-2 0.01 Carcinogenic; Mutagenic						Ü
Propylene oxide; 1,2-epoxypropane; methyloxirane 75-56-9 200-879-2 0.01 Carcinogenic; Mutagenic						
		Propylene oxide;				
	128		11120-22-2	234-363-3	0.01	Toxic for reproduction

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No.	Substance name	CAS No.	EC No.	Detection Limit, %	Basis for identification as a SVHC
129	Trilead dioxide phosphonate*	12141-20-7	235-252-2	0.01	Toxic for reproduction
130	o-aminoazotoluene	97-56-3	202-591-2	0.005	Carcinogenic
131	1-bromopropane	106-94-5	203-445-0	0.01	Toxic for reproduction
132	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	0.005	Carcinogenic
133	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	0.005	Carcinogenic
134	Tetraethyllead*	78-00-2	201-075-4	0.01	Toxic for reproduction
135	Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	0.01	Toxic for reproduction
136	Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	0.01	Toxic for reproduction
137	Diisopentylphthalate+	605-50-5	210-088-4	0.005	Toxic for reproduction
138	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	0.01	Equivalent level of concern having probable serious effects to human health
139	Cadmium*	7440-43-9	231-152-8	0.01	Carcinogenic; Equivalent level of concern
140	Cadmium oxide*	1306-19-0	215-146-2	0.01	Carcinogenic; Equivalent level of concern
141	Dipentyl phthalate (DPP) +	131-18-0	205-017-9	0.005	Toxic for reproduction
142	4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	-	-	0.005	Equivalent level of concern
143	Ammonium pentadecafluorooctanoate $(APFO) \neq$	3825-26-1	223-320-4	0.005	Toxic for reproduction; PBT
144	Pentadecafluorooctanoic acid (PFOA) ≠	335-67-1	206-397-9	0.005	Toxic for reproduction; PBT
145	Cadmium sulphide	1306-23-6	215-147-8	0.01	Carcinogenic; Equivalent level of concern
146	Dihexyl phthalate	84-75-3	201-559-5	0.005	Toxic for reproduction
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	209-358-4	0.005	Carcinogenic
148	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	217-710-3	0.005	Carcinogenic
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	202-506-9	0.005	Toxic for reproduction
150	Lead diacetate	301-04-2	206-104-4	0.01	Toxic for reproduction
151	Trixylyl phosphate	25155-23-1	246-677-8	0.005	Toxic for reproduction
152	Cadmium chloride*	10108-64-2	233-296-7	0.01	Carcinogenic; Mutagenic; Toxic for Reproduction; Equivalent level of concern having probable serious effects to human health
153	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear++	68515-50-4	271-093-5	0.005	Toxic for reproduction
154	Sodium peroxometaborate*	7632-04-4	231-556-4	0.01	Toxic for reproduction
155	Sodium perborate; perboric acid, sodium salt*	-	239-172-9; 234-390-0	0.01	Toxic for reproduction
156	Cadmium fluoride *	7790-79-6	232-222-0	0.01	Carcinogenic; Mutagenic; Toxic for Reproduction; Equivalent level of concern having probable serious effects to human health



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No.	Substance name	CAS No.	EC No.	Detection Limit, %	Basis for identification as a SVHC
157	Cadmium sulphate *	10124-36-4; 31119-53-6	233-331-6	0.01	Carcinogenic; Mutagenic; Toxic for Reproduction; Equivalent level of concern having probable serious effects to human health
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	0.005	PBT; vPvB
159	2-(2H-benzotriazol-2-yl)-4,6- ditertpentylphenol (UV-328)	25973-55-1	247-384-8	0.005	PBT; vPvB
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8- oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4	0.01	Toxic for Reproduction
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-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE) +++	-	-	0.01	Toxic for Reproduction
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; 68648-93-1	271-094-0; 272-013-1	0.01	Toxic for reproduction
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 isomers of [1] and [2] or any combination thereof]	-	-	0.01	Very persistent and very bioaccumulative
164	1,3-propanesultone	1120-71-4	214-317-9	0.01	Carcinogenic
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	0.005	vPvB
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	0.005	vPvB
167	Nitrobenzene	98-95-3	202-716-0	0.01	Toxic for reproduction
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	206-801-3	0.01	Toxic for reproduction; PBT
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	200-028-5	0.005	Carcinogenic; Mutagenic; Toxic for Reproduction; PBT; vPvB
170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	201-245-8	0.005	Toxic for reproduction Endocrine disrupting properties- environment & human health
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts/	-	-	0.005	Toxic for reproduction; PBT
172	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]	-	-	0.005	Equivalent level of concern having probable serious effects to the environment
173	p-(1,1-dimethylpropyl)phenol	80-46-6	201-280-9	0.005	Equivalent level of concern having probable serious effects to the environment
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	-	-	0.005	vPvB

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No.	Substance name	CAS No.	EC No.	Detection Limit, %	Basis for identification as a SVHC
175	Reaction products of 1,3,4-thiadiazolidine- 2,5-dithione, formaldehyde and 4- heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear(4-HPbl)]	-	-	0.01	Endocrine disrupting properties- environment
176	Dodecachloropentacyclo[12.2.1.16,9.02,13.0 5,10]octadeca-7,15-diene ("Dechlorane Plus" [covering any of its individual antiand syn-isomers or any combination thereof]	-	-	0.01	vPvB
177	Chrysene	218-01-9 1719-03-5	205-923-4	0.005	Carcinogenic; PBT; vPvB
178	Cadmium nitrate*	10022-68-1 10325-94-7	233-710-6	0.01	Carcinogenic; Mutagenic Specific target organ toxicity after repeated exposure
179	Cadmium hydroxide*	21041-95-2	244-168-5	0.01	Carcinogenic; Mutagenic Specific target organ toxicity after repeated exposure
180	Cadmium carbonate*	513-78-0	208-168-9	0.01	Carcinogenic; Mutagenic Specific target organ toxicity after repeated exposure
181	Benz[a]anthracene	56-55-3 1718-53-2	200-280-6	0.005	Carcinogenic; PBT; vPvB
182	Terphenyl, hydrogenated	61788-32-7	262-967-7	0.005	vPvB
183	Octamethylcyclotetrasiloxane(D4)	556-67-2	209-136-7	0.005	PBT; vPvB
184	Lead	7439-92-1	231-100-4	0.01	Toxic for reproduction
185	Ethylenediamine (EDA)	107-15-3	203-468-6	0.005	Respiratory sensitising properties
186	Dodecamethylcyclohexasiloxane (D6)	540-97-6	208-762-8	0.005	PBT; vPvB
187	Disodium octaborate*	12008-41-2	234-541-0	0.005	Toxic for reproduction
188	Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9	0.005	Toxic for reproduction; Endocrine disrupting properties
189	Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	0.005	PBT; vPvB
190	Benzo[ghi]perylene	191-24-2	205-883-8	0.005	PBT; vPvB
191	Benzene-1,2,4- tricarboxylic acid 1,2 anhydride (TMA)	552-30-7	209-008-0	0.005	Respiratory sensitising properties
192	Pyrene	129-00-0 1718-52-1	204-927-3	0.005	PBT; vPvB
193	Phenanthrene	85-01-8	201-581-5	0.005	vPvB
194	Fluoranthene	206-44-0 93951-69-0	205-912-4	0.005	PBT; vPvB
195	Benzo[k]fluoranthene	207-08-9	205-916-6	0.005	Carcinogenic; PBT; vPvB
196	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	0.005	Toxic for reproduction
197	1,7,7-trimethyl-3-(phenylmethylene)- Bicyclo[2.2.1]heptan-2-one	15087-24-8	239-139-9	0.005	Endocrine disrupting properties
198	2,3,3,3-tetrafluoro-2- (heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	-	-	0.01	Equivalent level of concern having probable serious effects to human health Equivalent level of concern having probable serious effects to the environment/
199	2-methoxyethyl acetate	110-49-6	203-772-9	0.01	Toxic for reproduction
200	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	0.01	Endocrine disrupting properties
201	4-tert-butylphenol	98-54-4	202-679-0	0.005	Endocrine disrupting properties
201	i tort outyrphonor	70 JT-T	202-017-0	0.005	Endocrine disrupting properties

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No.	Substance name	CAS No.	EC No.	Detection Limit, %	Basis for identification as a SVHC
202	2-benzyl-2-dimethylamino-4'- morpholinobutyrophenone	119313-12-1	404-360-3	0.005	Toxic for reproduction
203	2-methyl-1-(4-methylthiophenyl)-2- morpholinopropan-1-one	71868-10-5	400-600-6	0.005	Toxic for reproduction
204	Diisohexyl phthalate	71850-09-4	276-090-2	0.005	Toxic for reproduction
205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	0.005	Equivalent level of concern having probable serious effects on the environment and human health/
206	1-vinylimidazole	1072-63-5	214-012-0	0.005	Toxic for reproduction
207	2-methylimidazole	693-98-1	211-765-7	0.005	Toxic for reproduction
208	Dibutylbis(pentane-2,4-dionato-O,O')tin +++	22673-19-4	245-152-0	0.01	Toxic for reproduction
209	Butyl 4-hydroxybenzoate	94-26-8	202-318-7	0.005	Equivalent level of concern having probable serious effects on the human health - Endocrine disrupting properties
210	bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	205-594-7	0.01	Toxic for reproduction
211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	-	-	0.01	Toxic for reproduction
212	1,4-dioxane	123-91-1	204-661-8	0.01	Equivalent level of concern having probable serious effects on the environment and human health
213	2,2-bis(bromomethyl)propane1,3-diol (BMP) 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) 2,3-dibromo-1-propanol (2,3-DBPA)	3296-90-0 36483-57-5 1522-92-5 96-13-9	221-967-7 253-057-0 202-480-9	0.01	Carcinogenic
214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	-	0.01	Toxic for reproduction
215	4,4'-(1-methylpropylidene)bisphenol; (bisphenol B)	77-40-7	201-025-1	0.01	Endocrine disrupting properties - environment and human health
216	Glutaral	111-30-8	203-856-5	0.01	Respiratory sensitising properties - human health
217	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	-	0.01	PBT/ PvB
218	Orthoboric acid, sodium salt	13840-56-7	237-560-2	0.01	Toxic for reproduction
219	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	-	0.01	Toxic for reproduction/ Endocrine disrupting properties- environment & human health
220	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]hepta n-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	-	0.01	Equivalent level of concern having probable serious effects on human health



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#### **APPENDIX**

## Candidate List of Substances of Very High Concern for authorization published by European Chemicals Agency (ECHA) Regarding Regulation (EC) No. 1907/2006 concerning REACH

No.	Substance name	CAS No.	EC No.	Detection Limit, %	Basis for identification as a SVHC
221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47-1	204-327-1	0.01	Toxic for reproduction
222	S-(tricyclo[5.2.1.0'2,6] deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O- (isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	401-850-9	0.01	PBT
223	Tris(2-methoxyethoxy) vinylsilane	1067-53-4	213-934-0	0.01	Toxic for reproduction
224	N-(hydroxymethyl)acrylamide	213-103-2	924-42-5 50	0.005	Carcinogenic Mutagenic

<sup>(1)</sup> CAS no. 7789-12-0 refers to sodium dichromate dihydrate

#### Remark:

- 1. PBT = Persistent, bio accumulative and toxic as defined in Regulation (EC) No 1907/2006
- 2 vPvB = Very persistent and very bio accumulative as defined in Regulation (EC) No 1907/2006
- 3 ND = Not Detected
- \*Result is based on the heavy metal or inorganic element concentration. Due to the limit of the analytical technology available, any further investigation is not feasible. The client is strongly advised to review the chemical formulation to ascertain.
- 5 \*\*Result is identified by tributyltin (TBT). Due to the limit of the analytical technology available, any further investigation is not feasible. The client is strongly advised to review the chemical formulation to ascertain.
- §TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione) and β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) are reported as a mixture.
- aRefer to Aluminosilicate, Refractory Ceramic Fibres fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (μm) c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight.
- bRefer to Zirconia Aluminosilicate, Refractory Ceramic Fibres fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (μm). c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight.
- <sup>+</sup>[1,2-Benzenedicarboxylic acid, dipentylester, branched and linear] is a mixture of phthalates contains DPP, DIPP and N-pentyl-isopentylphtalate.
- 10 \*PFOA and APFO are reported together. The result is based on PFOA concentration. Due to the limit of the analytical technology available, any further investigation is not feasible. The client is strongly advised to review the chemical formulation to ascertain.
- 11 \*\*[1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear] is a mixture of phthalates contains dihexyl phthalate.
- 12 \*\*\*Result is based on the tin metal concentration, and further confirmation for checking DBT, DOTE & MOTE concentration.

<sup>(2)</sup> CAS no. 10588-01-9 refers to anhydrous sodium dichromate

<sup>(3)</sup> CAS no. 3194-55-6 refers to a specific HBCDD - 1,2,5,6,9,10-hexabromocyclododecane

<sup>(4)</sup> CAS no. 25637-99-4 refers to unspecific HBCDD isomer composition

<sup>(5)</sup> CAS no. 1330-43-4 refers to disodium tetraborate, anhydrous

<sup>(6)</sup> CAS no. 12179-04-3 refers to sodium tetraborate, pentahydrate

<sup>&</sup>lt;sup>(7)</sup> CAS no. 1303-96-4 refers to sodium tetraborate, decahydrate

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#### Note:

- The limit of 0.1% (w/w) applies to an article. The results were calculated according to Guidance on requirements for substances in articles

  Version 4.0 June 2017,reference to the judgement of the European Court of Justice of 10 September 2015 in case C-106/142. However, the results may not be applicable if the intended use of the sample is a substance or mixture. According to REACH, definition of an article, substance and mixture are:
  - i. Article An object during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition
  - ii Substance A chemical element and its compound in the natural state or obtained by any manufacturing process
  - iii Mixture (Previously known as "Preparation") A mixture or solution composed of two or more substances
  - In accordance of Article 7 of Regulation (EC) No. 1907/2006 (REACH regulation) Registration and notification of substances in articles, any producer or importer of articles shall notify ECHA, if a substance meets in criteria in Article 57 and is identified in accordance with Article 59(1), if both (1) the substance is present in those articles in quantities totalling over 1 tonne per producer or importer per year & (2) the substance is present in those articles above a concentration of 0.1% weight by weight (w/w) are met. The information to be notified shall include (a) identity and contact details of the producer or importer, (b) the registration numbers, (c) the identity of the substance and (d) the classification of the substance, (e) a brief description of the use of the substance and (f) the tonnage range of the substance.

    In accordance of Article 33 of Regulation (EC) No. 1907/2006 (REACH regulation) Duty to communicate information on substances in articles, any supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier
- 3 concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance. On request by a consumer the relevant information shall be provided by any supplier of an article free of charge, within 45 days of receipt of the request.
- 4 If SVHC was detected exceeding 0,1% (w/w) in test group, client is suggested to perform the further separate testing to identify the exact concentration of test items.

**END**