



Test Report

No.: T32020261717SC

Date: JUL 06, 2020

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The following samples were submitted and identified on behalf of the client as:

WOOD DECK TILES

SGS Case No. : CA320202632309
Style / Item No. : 26429629
Supplier : NK VIETNAM
Buyer :
Country of Origin : VIETNAM
Country of Destination : GERMANY
Sample Receiving Date : JUN 23, 2020
Test Performing Date : JUN 23 - JUL 03, 2020

Test Requested :

As requested by client, SVHC screening is performed according to:

- Two hundred and five (205) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before January 16, 2020 regarding Regulation (EC) No 1907/2006 concerning the REACH.

Test Result(s) : Please refer to next page(s)..

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Member of the SGS Group (SGS SA)





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Summary :

According to the specified scope and analytical techniques, concentrations of tested SVHC are $\leq 0.1\%$ (w/w) in the submitted sample.

PASS

Signed for and on behalf of
SGS Hong Kong Ltd.

Cheung Cheuk Fung, Henry
Assistant Operations Manager

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Remark :

1. The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA:

- <https://echa.europa.eu/candidate-list-table>(Candidate list)

The lists are under evaluation by ECHA and may subject to change in the future.

2. In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).
3. Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a 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 in the Candidate List.
4. If a SVHC is found over the reporting limit, client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.
5. The submitted sample is tested as one article per client requested.

Test Sample:

Sample Description: WOOD DECK TILES

Group No.	Component No.	Component Description
A	1.	Beige wood w/ deep brown coating (Wooden deck tile)
A	2.	Lt. black plastic (Bottom frame)

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Test Method:

SGS In-House method - Analyzed by ICP-OES, GC-MS, UV-VIS, HPLC-DAD, HPLC-MS and colorimetric method

Test Result (per test group) :

No.	Substance Name	CAS No./ EC No.	RL (%)	Concentration (%)
				A
-	All tested SVHC	-	-	ND

Notes:

1. RL = Reporting Limit. All RL are based on homogenous material
ND = Not detected (lower than RL), ND is denoted on the SVHC substance.
NA[^] = The submitted sample was found to contain significant amount of specific element(s) of SVHC. Upon further test verification and also information provided from client, the possibility that the element(s) content originate from SVHC is very unlikely, even though their presence cannot be exclude entirely. It may be assumed that the detected element(s) have a non-SVHC source.
2. * The test result is based on the calculation of selected element(s) / marker(s) and to the worst-case scenario. For detail information, please refer to the SGS REACH website:

<http://www.sgs.com/en/Consumer-Goods-Retail/Toys-and-Juvenile-Products/Toys/REACH/Management-of-SVHC.aspx>

The client is advised to review the chemical formulation to ascertain above metal substances present in the article.

RL = 0.1% is evaluated for element (i.e. aluminum, antimony, arsenic, barium, boron, cadmium, calcium, chromium, chromium (VI), cobalt, lead, potassium, titanium, silicon, sodium, strontium, zinc, zirconium and molybdenum respectively)

3. The table above only shows detected SVHC, and SVHC that below RL are not reported. Please refer to Appendix for the full list of tested SVHC.
4. Test result that shown as per test group is the actual concentration from laboratory testing. The test result is calculated by minimum sample weight. Confirmation testing is recommended as to understand the exact content of SVHC in each individual component.

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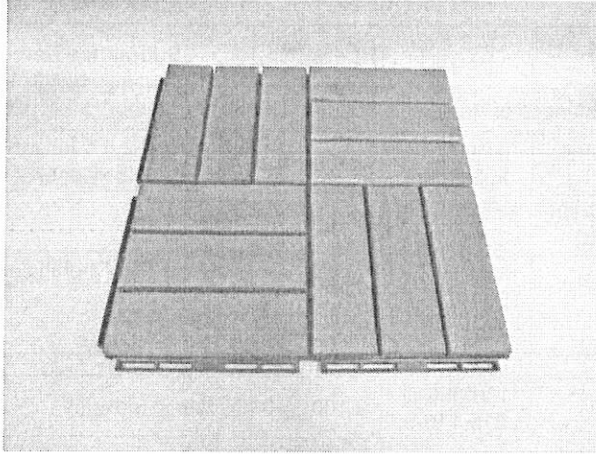
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Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

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Appendix

No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Oct 28, 2008							
1	4,4'-Diaminodiphenylmethane (MDA)	101-77-9/ 202-974-4	0.100	2	5-tert-butyl-2,4,6-trinitro- <i>m</i> -xylene (musk xylene)	81-15-2/ 201-329-4	0.100
3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8/ 287-476-5	0.100	4	Anthracene	120-12-7/ 204-371-1	0.100
5	Benzyl butyl phthalate (BBP)	85-68-7/ 201-622-7	0.100	6	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7/ 201-329-4	0.100
7	Bis(tributyltin)oxide (TBTO)	56-35-9/ 200-268-0	0.100	8	Cobalt dichloride*	7846-79-9/ 231-589-4	0.100
9	Diarsenic pentaoxide*	1303-28-2/ 215-116-9	0.100	10	Diarsenic trioxide*	1327-53-3/ 215-481-4	0.100
11	Dibutyl phthalate (DBP)	84-74-2/ 201-557-4	0.100	12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α -HBCDD, β -HBCDD, γ -HBCDD)	25637-99-4/ 247-148-4; 3194-55-6/ 221-695-9; (134237-50-6/-; 134237-51-7/-; 134237-52-8/-)	0.100
13	Lead hydrogen arsenate*	7784-40-9/ 232-064-2	0.100	14	Sodium dichromate*	7789-12-0 10588-01-9/ 234-190-3	0.100
15	Triethyl arsenate*	15606-95-8/ 427-700-2	0.100				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jan 13, 2010							
16	2,4-Dinitrotoluene	121-14-2/ 204-450-0	0.100	17	Anthracene oil*	90640-80-5/ 292-602-7	0.100
18	Anthracene oil, anthracene paste*	90640-81-6/ 292-603-2	0.100	19	Anthracene oil, anthracene paste, anthracene fraction*	91995-15-2/ 295-275-9	0.100
20	Anthracene oil, anthracene paste; distn. Lights*	91995-17-4/ 295-278-5	0.100	21	Anthracene oil, anthracene-low*	90640-82-7/ 292-604-8	0.100
22	Diisobutyl phthalate	84-69-5/ 201-553-2	0.100	23	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)*	12656-85-8/ 235-759-9	0.100
24	Lead chromate*	7758-97-6/ 231-846-0	0.100	25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2/ 215-693-7	0.100
26	Pitch, coal tar, high temp.*	65996-93-2/ 266-028-2	0.100	27	Tris(2-chloroethyl)phosphate	115-96-8/ 204-118-5	0.100
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Mar 30, 2010							
28	Acrylamide	79-06-1/ 201-173-7	0.100				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 18, 2010							

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
29	Ammonium dichromate*	7789-09-5/ 232-143-1	0.100	30	Boric acid*	10043-35-3/ 233-139-2; 11113-50-1/ 234-343-4	0.100
31	Disodium tetraborate, anhydrous*	1303-96-4 1330-43-4 12179-04-3/ 215-540-4	0.100	32	Potassium chromate*	7789-00-6/ 232-140-5	0.100
33	Potassium dichromate*	7778-50-9/ 231-906-6	0.100	34	Sodium chromate*	7775-11-3/ 231-889-5	0.100
35	Tetraboron disodium heptaoxide, hydrate*	12267-73-1/ 235-541-3	0.100	36	Trichloroethylene	79-01-6/ 201-167-4	0.100
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 15, 2010							
37	2-Ethoxyethanol	110-80-5/ 203-804-1	0.100	38	2-Methoxyethanol	109-86-4/ 203-713-7	0.100
39	Acids generated from chromium trioxide and their oligomers: Chromic acid Dichromic acid Oligomers of chromic acid and dichromic acid*	7738-94-5/ 231-801-5; 13530-68-2/ 236-881-5	0.100	40	Chromium trioxide*	1333-82-0/ 215-607-8	0.100
41	Cobalt(II) carbonate*	513-79-1/ 208-169-4	0.100	42	Cobalt(II) diacetate*	71-48-7/ 200-755-8	0.100
43	Cobalt(II) dinitrate*	10141-05-6/ 233-402-1	0.100	44	Cobalt(II) sulphate*	10124-43-3/ 233-334-2	0.100
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 20, 2011							
45	1,2,3-Trichloropropane	96-18-4/ 202-486-1	0.100	46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6/ 276-158-1	0.100
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4/ 271-084-6	0.100	48	1-Methyl-2-pyrrolidone	872-50-4/ 212-828-1	0.100
49	2-Ethoxyethyl acetate	111-15-9/ 203-839-2	0.100	50	Hydrazine	7803-57-8 302-01-2/ 206-114-9	0.100
51	Strontium chromate*	7789-06-2/ 232-142-6	0.100				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 19, 2011							
52	1,2-Dichloroethane	107-06-2/ 203-458-1	0.100	53	2,2'-dichloro-4,4'- methylenedianiline (MOCA)	101-14-4/ 202-918-9	0.1
54	2-Methoxyaniline	90-04-0/ 201-963-1	0.100	55	4-tert-Octylphenol	140-66-9/ 205-426-2	0.1
56	Aluminosilicate Refractory Ceramic Fibres*	650-017-00-8 (Index no.)	0.100	57	Arsenic acid*	7778-39-4/ 231-901-9	0.1

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58	Bis(2-methoxyethyl) ether	111-96-6/ 203-924-4	0.100	59	Bis(2-methoxyethyl) phthalate	117-82-8/ 204-212-6	0.1
60	Calcium arsenate*	7778-44-1/ 231-904-5	0.100	61	Dichromium tris(chromate)*	24613-89-6/ 246-356-2	0.1
62	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4/ 500-036-1	0.100	63	Lead diazide*	13424-46-9/ 236-542-1	0.1
64	Lead dipicrate*	6477-64-1/ 229-335-2	0.100	65	Lead styphnate*	15245-44-0/ 239-290-0	0.1
66	N,N-dimethylacetamide (DMAC)	127-19-5/ 204-826-4	0.100	67	Pentazinc chromate octahydroxide*	49663-84-5/ 256-418-0	0.1
68	Phenolphthalein	77-09-8/ 201-004-7	0.100	69	Potassium hydroxyoctaoxodizincatedichro mate*	11103-86-9/ 234-329-8	0.1
70	Trilead diarsenate*	3687-31-8/ 222-979-5	0.100	71	Zirconia Aluminosilicate Refractory Ceremic Fibres*	650-017-00-8 (Index no.)	0.1
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 18, 2012							
72	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methyle ne]cyclohexa-2,5-dien-1- ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5/ 219-943-6	0.100	73	[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	0.100
74	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2/ 203-977-3	0.100	75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4/ 203-794-9	0.100
76	4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)	90-94-8/ 202-027-5	0.100	77	4,4'-bis(dimethylamino)-4"- (methylamino)trityl alcohol	561-41-1/ 209-218-2	0.100
78	Diboron trioxide*	1303-86-2/ 215-125-8	0.100	79	Formamide	75-12-7/ 200-842-0	0.100
80	Lead(II) bis(methanesulfonate)*	17570-76-2/ 401-750-5	0.100	81	N,N,N',N'-tetramethyl-4,4'- methylenedianiline (Michler's base)	101-61-1/ 202-959-2	0.100
82	TGIC (1,3,5- tris(oxiranylmethyl)-1,3,5- triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9/ 219-514-3	0.100	83	α,α-Bis[4- (dimethylamino)phenyl]-4 (phenylamino)naphthalene-1- methanol (C.I. Solvent Blue 4)	6786-83-0/ 229-851-8	0.100
84	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	0.100				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 19, 2012							
85	[Phthalato(2-)]dioxotrilead*	69011-06-9/ 273-688-5	0.100	86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0/ 284-032-2	0.100
87	1,2-Diethoxyethane	629-14-1/ 211-076-1	0.100	88	1-Bromopropane	106-94-5/ 203-445-0	0.100

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89	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2/ 421-150-7	0.100	90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	0.100
91	4,4'-Methylenedi- <i>o</i> -toluidine	838-88-0/ 212-658-8	0.100	92	4,4'-Oxydianiline	101-80-4/ 202-977-0	0.100
93	4-Aminoazobenzene	60-09-3/ 200-453-6	0.100	94	4-Methyl- <i>m</i> -phenylenediamine	95-80-7/ 202-453-1	0.100
95	4-Nonylphenol, branched and linear	-	0.100	96	6-Methoxy- <i>m</i> -toluidine	120-71-8/ 204-419-1	0.100
97	Acetic acid, lead salt, basic*	51404-69-4/ 257-175-3	0.100	98	Biphenyl-4-ylamine	92-67-1/ 202-177-1	0.100
99	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5/ 214-604-9	0.100	100	C,C'-azodi(formamide) (ADCA)	123-77-3/ 204-650-8	0.100
101	Dibutyltin dichloride (DBT)	683-18-1/ 211-670-0	0.100	102	Diethyl sulphate	64-67-5/ 200-589-6	0.100
103	Diisopentylphthalate (DIPP)	605-50-5/ 210-088-4	0.100	104	Dimethyl sulphate	77-78-1/ 201-058-1	0.100
105	Dinoseb	88-85-7/ 201-861-7	0.100	106	Dioxobis(stearato)trilead*	12578-12-0/ 235-702-8	0.100
107	Fatty acids, C16-18, lead salts*	91031-62-8/ 292-966-7	0.100	108	Furan	110-00-9/ 203-727-3	0.100
109	Henicosafuoroundecanoic acid	2058-94-8/ 218-165-4	0.100	110	Heptacosafuorotetradecanoic acid	376-06-7/ 206-803-4	0.100
111	Hexahydro-2-benzofuran-1,3-dione, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7/ 201-604-9; 13149-00-3/ 236-086-3; 14166-21-3/ 238-009-9	0.100	112	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0/ 247-094-1; 19438-60-9/ 243-072-0; 48122-14-1/ 256-356-4; 57110-29-9/ 260-566-1	0.100
113	Lead bis(tetrafluoroborate)*	13814-96-5/ 237-486-0	0.100	114	Lead cyanamidate*	20837-86-9/ 244-073-9	0.100
115	Lead dinitrate*	10099-74-8/ 233-245-9	0.100	116	Lead monoxide*	1317-36-8/ 215-267-0	0.100
117	Lead oxide sulphate*	12036-76-9/ 234-853-7	0.100	118	Lead tetroxide*	1314-41-6/ 215-235-6	0.100
119	Lead titanium trioxide*	12060-00-3/ 235-038-9	0.100	120	Lead titanium zirconium oxide*	12626-81-2/ 235-727-4	0.100
121	Methoxyacetic acid	625-45-6/ 210-894-6	0.100	122	N,N-Dimethylformamide	68-12-2/ 200-679-5	0.100
123	N-Methylacetamide	79-16-3/ 201-182-6	0.100	124	N-Pentyl-isopentylphthalate	776297-69-9 /-	0.100
125	<i>o</i> -Aminoazotoluene	97-56-3/ 202-591-2	0.100	126	<i>o</i> -Toluidine	95-53-4/ 202-429-0	0.100

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
127	Pentacosaufluorotridecanoic acid	72629-94-8/ 276-745-2	0.100	128	Pentalead tetraoxide sulphate*	12065-90-6/ 235-067-7	0.100
129	Propylene oxide	75-56-9/ 200-879-2	0.100	130	Pyrochlore, antimony lead yellow*	8012-00-8/ 232-382-1	0.100
131	Silicic acid, barium salt, lead-doped*	68784-75-8/ 272-271-5	0.100	132	Silicic acid, lead salt*	11120-22-2/ 234-363-3	0.100
133	Sulfurous acid, lead salt, dibasic*	62229-08-7/ 263-467-1	0.100	134	Tetraethyllead*	78-00-2/ 201-075-4	0.100
135	Tetralead trioxide sulphate*	12202-17-4/ 235-380-9	0.100	136	Tricosaufluorododecanoic acid	307-55-1/ 206-203-2	0.100
137	Trilead bis(carbonate)dihydroxide*	1319-46-6/ 215-290-6	0.100	138	Trilead dioxide phosphonate*	12141-20-7/ 235-252-2	0.100
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 20, 2013							
139	4-Nonylphenol, branched and linear, ethoxylated	-	0.100	140	Ammoniumpentadecafluorooctanoate (APFO)	3825-26-1/ 223-320-4	0.100
141	Cadmium	7440-43-9/ 231-152-8	0.100	142	Cadmium oxide*	1306-19-0/ 215-146-2	0.100
143	Di-n-pentyl phthalate	131-18-0/ 205-017-9	0.100	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1/ 206-397-9	0.100
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 16, 2013							
145	Cadmium sulphide*	1306-23-6/ 215-147-8	0.100	146	Dihexyl phthalate	84-75-3/ 201-559-5	0.100
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	0.100	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	0.100
149	Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7/ 202-506-9	0.100	150	Lead di(acetate)*	301-04-2/ 206-104-4	0.100
151	Trixylyl phosphate	25155-23-1/ 246-677-8	0.100				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 16, 2014							
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4/ 271-093-5	0.100	153	Cadmium chloride*	10108-64-2/ 233-296-7	0.100
154	Sodium perborate; perboric acid, sodium salt*	- / 234-390-0; 239-172-9	0.100	155	Sodium peroxometaborate*	7632-04-4/ 231-556-4	0.100
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 17, 2014							
156	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7 / 223-346-6	0.100	157	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1 / 247-384-8	0.100
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate; DOTE	15571-58-1 / 239-622-4	0.100	159	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-	/	0.100

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
					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)		
160	Cadmium fluoride*	7790-79-6 / 232-222-0	0.100	161	Cadmium sulphate*	10124-36-4; 31119-53-6 / 233-331-6	0.100
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 15, 2015							
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	0.100	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]	/	0.1 0.100
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 17, 2015,							
164	1,3-propanesultone	1120-71-4 / 214-317-9	0.100	165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1 / 223-383-8	0.100
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3 / 253-037-1	0.100	167	Nitrobenzene	98-95-3 / 202-716-0	0.100
168	Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptafluorononanoic acid and its sodium and ammonium salts	375-95-1; 21049-39-8; 4149-60-4 / 206-801-3	0.100				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 20, 2016							
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8 / 200-028-5	0.100 0.1				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jan 12, 2017							
170	4,4'-Isopropylidenediphenol (Bisphenol A)	80-05-7 / 201-245-8	0.100	171	4-Heptylphenol, branched and linear	-	0.100
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2; 3830-45-3; 3108-42-7/ 206-400-3; -; 221-470-5	0.100	173	p-(1,1-dimethylpropyl)phenol	80-46-6 / 201-280-9	0.100
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jul 7, 2017							
174	Perfluorohexane-1-sulphonic acid and its salts	-	0.100				

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
Candidate List of Substances of Very High Concern (SVHC) for authorization published on January 15, 2018							
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"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	- / -	0.100	176	Benz[a]anthracene	56-55-3 / 200-280-6	0.100
177	Cadmium nitrate*	10325-94-7 / 233-710-6	0.100	178	Cadmium carbonate*	513-78-0 / 208-168-9	0.100
179	Cadmium hydroxide*	21041-95-2 / 244-168-5	0.100	180	Chrysene	218-01-9 / 205-923-4	0.100
181	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]	- / -	0.100				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 27, 2018							
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (TMA)	552-30-7 / 209-008-0	0.100	183	Benzo[ghi]perylene	191-24-2 / 205-883-8	0.100
184	Decamethylcyclopentasiloxane (D5)	541-02-6 / 208-764-9	0.100	185	Dicyclohexyl phthalate (DCHP)	84-61-7 / 201-545-9	0.100
186	Disodium octaborate*	12008-41-2 / 234-541-0	0.100	187	Dodecamethylcyclohexasiloxane (D6)	540-97-6 / 208-762-8	0.100
188	Ethylenediamine (EDA)	107-15-3 / 203-468-6	0.100	189	Lead	7439-92-1 / 231-100-4	0.100
190	Octamethylcyclotetrasiloxane (D4)	556-67-2 / 209-136-7	0.100	191	Terphenyl, hydrogenated	61788-32-7 / 262-967-7	0.100
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jan 15, 2019							
192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6 / 401-720-1	0.100	193	Benzo[k]fluoranthene	207-08-9 / 205-916-6	0.100
194	Fluoranthene	206-44-0 / 205-912-4	0.100	195	Phenanthrene	85-01-8 / 201-581-5	0.100
196	Pyrene	129-00-0 / 204-927-3	0.100	197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8 / 239-139-9	0.100
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jul 16, 2019							
198	2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)propionic	-	0.100	199	2-Methoxyethyl acetate	110-49-6 / 203-772-9	0.100

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
	acid, its salts and its acyl halides [covering any of their individual isomers and combinations thereof]						
200	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	-	0.100	201	4-tert-butylphenol	98-54-4 / 202-679-0	0.100
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jan 16, 2020							
202	Diisohexyl phthalate	71850-09-4 / 276-090-2	0.100	203	2-Benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1 / 404-360-3	0.100
204	2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5 / 400-600-6	0.100	205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	0.100

Notes

1. RL = Reporting Limit. All RL are based on homogenous material
2. * The test result is based on the calculation of selected element(s) / marker(s) and to the worst-case scenario. For detail information, please refer to the SGS REACH website:

<http://www.sgs.com/en/Consumer-Goods-Retail/Toys-and-Juvenile-Products/Toys/REACH/Management-of-SVHC.aspx>

The client is advised to review the chemical formulation to ascertain above metal substances present in the article.

RL = 0.1% is evaluated for element (i.e. aluminum, antimony, arsenic, barium, boron, cadmium, calcium, chromium, chromium (VI), cobalt, lead, potassium, titanium, silicon, sodium, strontium, zinc, zirconium and molybdenum respectively)

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