



TEST REPORT NO : C50421790

Jul.27,2017

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Applicant : FUZHOU SANTING TRADING .CO.,LTD
Address : ROOM 105,7/F BLDG.3,NO.138 PAIWEI ROAD,TAIJIANG DISTRICT,FUZHOU,FUJIANG,CHINA

Test Date : Jul.14 - 27,2017
Received Date: Jul 14, 2017

Contact Person : ROBERT

Sample Description: -
Buyer: / SAP Material No.: /
Article No.: / Style No.: /
Export To: - Buyer Name: Bertels Textilhandels GmbH
Order No.: - Supplier Name: FUZHOU SANTING
Sampled By: / Country of Origin: China
Sampling Date: / Age Grading: /

Table with 2 columns: Test Item, Conclusion. Row 1: Substances of Very High Concern Screening Test (SVHC), PASS. Remark: 1. The results relate only to the samples tested. 2. "NC"=No Comment, "NA"=Not Applicable, "\*" See the attached test results details.

For and on behalf of
UL VS Shanghai Ltd. Shenzhen Branch

Handwritten signature

Cola Cai - Consumer Engineering Manager II
(Chemical)

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UL VS Shanghai Ltd. Shenzhen Branch
3-4F Qingyi Supermask Photoelectricity Building, No.8 Langshan 2nd Road,
North High-Tech Industrial Park, Nanshan District, Shenzhen, P.R.China

优力胜邦质量检测(上海)有限公司深圳分公司
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**Test Requested** : As specified by client, one hundred and seventy four (174) Substances of Very High Concern (SVHC) screening, SVHC candidate list based on the publication by European Chemicals Agency (ECHA) on Jul. 07, 2017, regarding Regulation (EC) No 1907/2006 concerning the REACH.

**Test Result(s)** : Please refer to the following page(s).

**Conclusion** : According to the specified scope and analytical, concentrations of the one hundred and seventy four (174) Substances of Very High Concern (SVHC) are less than 0.1% (W/W) in the submitted samples.

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电话(T): 755-26018600 / 传真(F): 755-26018626 / 网址(W): UL.com / Consumer-products

**(I) SVHC Test Result(s):****(1) The first batch of SVHC**

No.	Tested Item(s)	Test result (%)			
		Group(1)	Group(2)	Group(3)	Whole product*
1	Anthracene	N.D	N.D	N.D	N.D
2	4,4'-Diaminodiphenylmethane	N.D	N.D	N.D	N.D
3	Dibutyl phthalate(DBP)	N.D	N.D	N.D	N.D
4	Benzyl butyl phthalate(BBP)	N.D	N.D	N.D	N.D
5	Bis (2-ethylhexyl) phthalate (DEHP)	N.D	N.D	N.D	N.D
6	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	N.D	N.D	N.D	N.D
7	HBCDD( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD)	N.D	N.D	N.D	N.D
8	Short Chain Chlorinated Paraffins	N.D	N.D	N.D	N.D
9	Bis(tributyltin)oxide	N.D	N.D	N.D	N.D
10	Cobalt dichloride**	N.D	N.D	N.D	N.D
11	Diarsenic pentaoxide**	N.D	N.D	N.D	N.D
12	Diarsenic trioxide**	N.D	N.D	N.D	N.D
13	Lead hydrogen arsenate**	N.D	N.D	N.D	N.D
14	Triethyl arsenate**	N.D	N.D	N.D	N.D
15	Sodium dichromate**	N.D	N.D	N.D	N.D

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## (2) The second batch of SVHC

No.	Tested Item(s)	Test result (%)			
		Group(1)	Group(2)	Group(3)	Whole product*
16	Anthracene oil	N.D	N.D	N.D	N.D
17	Anthracene oil, anthracene paste, distn. Lights	N.D	N.D	N.D	N.D
18	Anthracene oil, anthracene paste, anthracene fraction	N.D	N.D	N.D	N.D
19	Anthracene oil, anthracene-low	N.D	N.D	N.D	N.D
20	Anthracene oil,anthracene paste	N.D	N.D	N.D	N.D
21	Diisobutyl phthalate(DIBP)	N.D	N.D	N.D	N.D
22	2,4-Dinitrotoluene	N.D	N.D	N.D	N.D
23	Coal tar pitch, high temperature	N.D	N.D	N.D	N.D
24	Tris(2-chloroethyl)phosphate(TCEP)	N.D	N.D	N.D	N.D
25	Lead sulfochromate yellow (C.I.Pigment Yellow 34)**	N.D	N.D	N.D	N.D
26	Lead chromate molybdate sulfateRed (C.I.Pigment Red 104)**	N.D	N.D	N.D	N.D
27	Lead chromate**	N.D	N.D	N.D	N.D
28	Acrylamide	N.D	N.D	N.D	N.D

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(3) The third batch of SVHC

No.	Tested Item(s)	Test result (%)			
		Group(1)	Group(2)	Group(3)	Whole product <sup>**</sup>
29	Trichloroethylene	N.D	N.D	N.D	N.D
30	Boric acid <sup>**</sup>	N.D	N.D	N.D	N.D
31	Disodium tetraborate anhydrous <sup>**</sup>	N.D	N.D	N.D	N.D
32	Tetraboron disodium Heptaoxide,hydrate <sup>**</sup>	N.D	N.D	N.D	N.D
33	Sodium chromate <sup>**</sup>	N.D	N.D	N.D	N.D
34	Potassium chromate <sup>**</sup>	N.D	N.D	N.D	N.D
35	Ammonium dichromate <sup>**</sup>	N.D	N.D	N.D	N.D
36	Potassium dichromate <sup>**</sup>	N.D	N.D	N.D	N.D

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(4) The four batch of SVHC

No.	Tested Item(s)	Test result (%)			
		Group(1)	Group(2)	Group(3)	Whole product <sup>*</sup>
37	Cobalt(II) Sulphate <sup>**</sup>	N.D	N.D	N.D	N.D
38	Cobalt(II) dinitrate <sup>**</sup>	N.D	N.D	N.D	N.D
39	Cobalt(II) carbonate <sup>**</sup>	N.D	N.D	N.D	N.D
40	Cobalt(II) diacetate <sup>**</sup>	N.D	N.D	N.D	N.D
41	Chromium trioxide <sup>**</sup>	N.D	N.D	N.D	N.D
42	Chromic acid, Oligomers of Chromic acid and dichromic acid, Dichromic acid <sup>**</sup>	N.D	N.D	N.D	N.D
43	2-Methoxyethanol	N.D	N.D	N.D	N.D
44	2-Ethoxyethanol	N.D	N.D	N.D	N.D

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(5) The five batch of SVHC

No.	Tested Item(s)	Test result (%)			
		Group(1)	Group(2)	Group(3)	Whole product *
45	2-Ethoxyethyl acetate	N.D	N.D	N.D	N.D
46	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	N.D	N.D	N.D	N.D
47	1,2,3-trichloropropane	N.D	N.D	N.D	N.D
48	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	N.D	N.D	N.D	N.D
49	Strontium chromate **	N.D	N.D	N.D	N.D
50	Hydrazine	N.D	N.D	N.D	N.D
51	1-methyl-2-pyrrolidone	N.D	N.D	N.D	N.D

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(6) The six batch of SVHC

No.	Tested Item(s)	Test result (%)			
		Group(1)	Group(2)	Group(3)	Whole product*
52	Dichromium tris(chromate)**	N.D	N.D	N.D	N.D
53	Potassium hydroxyoctaoxidizincatedi chromate**	N.D	N.D	N.D	N.D
54	Pentazinc chromate octahydroxide**	N.D	N.D	N.D	N.D
55	Aluminosilicate Refractory Ceramic Fibres (RCF)**	N.D	N.D	N.D	N.D
56	Zr-RCF(Zirconia Aluminosilicate Refractory Ceramic Fibres)**	N.D	N.D	N.D	N.D
57	Formaldehyde, oligomeric reaction products with aniline	N.D	N.D	N.D	N.D
58	Bis(2-methoxyethyl) phthalate	N.D	N.D	N.D	N.D
59	2-Methoxyaniline; o-Anisidine	N.D	N.D	N.D	N.D
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	N.D	N.D	N.D	N.D
61	1,2-Dichloroethane	N.D	N.D	N.D	N.D
62	Bis(2-methoxyethyl) ether	N.D	N.D	N.D	N.D
63	Arsenic acid**	N.D	N.D	N.D	N.D
64	Calcium arsenate**	N.D	N.D	N.D	N.D
65	Trilead diarsenate**	N.D	N.D	N.D	N.D
66	N,N-dimethylacetamide	N.D	N.D	N.D	N.D
67	Phenolphthalein	N.D	N.D	N.D	N.D
68	4,4'-Methylenebis(2-chloroaniline) (MOCA)	N.D	N.D	N.D	N.D

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69	Lead azide Lead diazide **	N.D	N.D	N.D	N.D
70	Lead styphnate **	N.D	N.D	N.D	N.D
71	Lead dipicrate **	N.D	N.D	N.D	N.D

(7) The seventh batch of SVHC

No.	Tested Item(s)	Test result (%)			
		Group(1)	Group(2)	Group(3)	Whole product *
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	N.D	N.D	N.D	N.D
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	N.D	N.D	N.D	N.D
74	Diboron trioxide **	N.D	N.D	N.D	N.D
75	Formamide	N.D	N.D	N.D	N.D
76	Lead(II) bis(methanesulfonate) **	N.D	N.D	N.D	N.D
77	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	N.D	N.D	N.D	N.D
78	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	N.D	N.D	N.D	N.D
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	N.D	N.D	N.D	N.D
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	N.D	N.D	N.D	N.D
81	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium	N.D	N.D	N.D	N.D

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	chloride (C.I. Basic Violet 3)				
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26)	N.D	N.D	N.D	N.D
83	$\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	N.D	N.D	N.D	N.D
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	N.D	N.D	N.D	N.D

**(8) The eighth batch of SVHC**

No.	Tested Item(s)	Test result (%)			
		Group(1)	Group(2)	Group(3)	Whole product*
85	Bis(pentabromophenyl) ether (DecaBDE)	N.D	N.D	N.D	N.D
86	Pentacosafuorotridecanoic acid	N.D	N.D	N.D	N.D
87	Tricosafuorododecanoic acid	N.D	N.D	N.D	N.D
88	Henicosafuoroundecanoic acid	N.D	N.D	N.D	N.D
89	Heptacosafuorotetradecanoic acid	N.D	N.D	N.D	N.D
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated -covering well-defined substances and UVCB substances, polymers and homologues	N.D	N.D	N.D	N.D
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-	N.D	N.D	N.D	N.D

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	defined substances which include any of the individual isomers or a combination thereof				
92	Diazeno-1,2-dicarboxamide (C,C'-azodi(formamide))	N.D	N.D	N.D	N.D
93	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	N.D	N.D	N.D	N.D
94	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	N.D	N.D	N.D	N.D
95	Methoxy acetic acid	N.D	N.D	N.D	N.D
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	N.D	N.D	N.D	N.D
97	Diisopentylphthalate(DIPP)	N.D	N.D	N.D	N.D
98	N-pentyl-isopentylphthalate	N.D	N.D	N.D	N.D

No.	Tested Item(s)	Test result (%)			
		Group(1)	Group(2)	Group(3)	Whole product <sup>*</sup>
99	1,2-Diethoxyethane	N.D	N.D	N.D	N.D
100	N,N-dimethylformamide; dimethyl formamide	N.D	N.D	N.D	N.D
101	Dibutyltin dichloride(DBT)	N.D	N.D	N.D	N.D
102	Acetic acid, lead salt, basic <sup>**</sup>	N.D	N.D	N.D	N.D
103	Basic lead carbonate (trilead bis(carbonate)dihydroxide) <sup>**</sup>	N.D	N.D	N.D	N.D
104	Lead oxide sulfate(basic lead sulfate) <sup>**</sup>	N.D	N.D	N.D	N.D

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105	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate) **	N.D	N.D	N.D	N.D
106	Dioxobis(stearato)trilead **	N.D	N.D	N.D	N.D
107	Fatty acids, C16-18, lead salts **	N.D	N.D	N.D	N.D
108	Lead bis(tetrafluoroborate) **	N.D	N.D	N.D	N.D
109	Lead cyanamide **	N.D	N.D	N.D	N.D
110	Lead dinitrate **	N.D	N.D	N.D	N.D
111	Lead oxide (lead monoxide) **	N.D	N.D	N.D	N.D
112	Lead tetroxide (orange lead) **	N.D	N.D	N.D	N.D
113	Lead titanium trioxide **	N.D	N.D	N.D	N.D
114	Lead Titanium Zirconium Oxide **	N.D	N.D	N.D	N.D
115	Pentalead tetraoxide sulphate **	N.D	N.D	N.D	N.D
116	Pyrochlore, antimony lead yellow **	N.D	N.D	N.D	N.D
117	Silicic acid, barium salt, lead- doped **	N.D	N.D	N.D	N.D
118	Silicic acid, lead salt **	N.D	N.D	N.D	N.D

No.	Tested Item(s)	Test result (%)			
		Group(1)	Group(2)	Group(3)	Whole product *
119	Sulfurous acid, lead salt, dibasic **	N.D	N.D	N.D	N.D
120	Tetraethyllead **	N.D	N.D	N.D	N.D
121	Tetralead trioxide sulphate **	N.D	N.D	N.D	N.D

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122	Trilead dioxide phosphonate **	N.D	N.D	N.D	N.D
123	Furan	N.D	N.D	N.D	N.D
124	Propylene oxide; 1,2-epoxypropane; methyloxirane	N.D	N.D	N.D	N.D
125	Diethyl sulphate	N.D	N.D	N.D	N.D
126	Dimethyl sulphate	N.D	N.D	N.D	N.D
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1, 3-oxazolidine	N.D	N.D	N.D	N.D
128	Dinoseb	N.D	N.D	N.D	N.D
129	4,4'-methylenedi-o-toluidine	N.D	N.D	N.D	N.D
130	4,4'-oxydianiline and its salts	N.D	N.D	N.D	N.D
131	4-Aminoazobenzene; 4-Phenylazoaniline	N.D	N.D	N.D	N.D
132	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	N.D	N.D	N.D	N.D
133	6-methoxy-m-toluidine (p-cresidine)	N.D	N.D	N.D	N.D
134	Biphenyl-4-ylamine	N.D	N.D	N.D	N.D
135	o-aminoazotoluen	N.D	N.D	N.D	N.D
136	o-Toluidine; 2-Aminotoluene	N.D	N.D	N.D	N.D
137	N-methylacetamide	N.D	N.D	N.D	N.D
138	1-bromopropane; n-propyl bromide	N.D	N.D	N.D	N.D

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## (9) The ninth batch of SVHC

No.	Tested Item(s)	Test result (%)			
		Group(1)	Group(2)	Group(3)	Whole product <sup>*</sup>
139	Cadmium	N.D	N.D	N.D	N.D
140	Cadmium oxide <sup>**</sup>	N.D	N.D	N.D	N.D
141	Ammonium pentadecafluorooctanoate (APFO)	N.D	N.D	N.D	N.D
142	Pentadecafluorooctanoic acid (PFOA)	N.D	N.D	N.D	N.D
143	Dipentyl phthalate (DPP)	N.D	N.D	N.D	N.D
144	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]	N.D	N.D	N.D	N.D

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(10) The tenth batch of SVHC

No.	Tested Item(s)	Test result (%)			
		Group(1)	Group(2)	Group(3)	Whole product <sup>*</sup>
145	Cadmium sulfide <sup>**</sup>	N.D	N.D	N.D	N.D
146	Dihexyl Phthalate(DHP)	N.D	N.D	N.D	N.D
147	CI Direct Red 28	N.D	N.D	N.D	N.D
148	CI Chlorazol Black 38	N.D	N.D	N.D	N.D
149	2-Imidazolidinethione	N.D	N.D	N.D	N.D
150	Acetic acid lead salt <sup>**</sup>	N.D	N.D	N.D	N.D
151	Trixylenyl Phosphate	N.D	N.D	N.D	N.D

(11) The eleventh batch of SVHC

No.	Tested Item(s)	Test result (%)			
		Group(1)	Group(2)	Group(3)	Whole product <sup>*</sup>
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	N.D	N.D	N.D	N.D
153	Cadmium chloride <sup>**</sup>	N.D	N.D	N.D	N.D
154	Sodium perborate; perboric acid, sodium salt <sup>**</sup>	N.D	N.D	N.D	N.D
155	Sodium peroxometaborate <sup>**</sup>	N.D	N.D	N.D	N.D

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## (12) The twelfth batch of SVHC

No.	Tested Item(s)	Test result (%)			
		Group(1)	Group(2)	Group(3)	Whole product *
156	Cadmium fluoride **	N.D	N.D	N.D	N.D
157	Cadmium sulphate **	N.D	N.D	N.D	N.D
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol(UV-320)	N.D	N.D	N.D	N.D
159	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate(DOTE)	N.D	N.D	N.D	N.D
160	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	N.D	N.D	N.D	N.D
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)	N.D	N.D	N.D	N.D

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(13) The thirteenth batch of SVHC

No.	Tested Item(s)	Test result (%)			
		Group(1)	Group(2)	Group(3)	Whole product*
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate	N.D	N.D	N.D	N.D
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]	N.D	N.D	N.D	N.D

(14) The fourteenth batch of SVHC

No.	Tested Item(s)	Test result (%)			
		Group(1)	Group(2)	Group(3)	Whole product*
164	Nitrobenzene	N.D	N.D	N.D	N.D
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol(UV-327)	N.D	N.D	N.D	N.D
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol(UV-350)	N.D	N.D	N.D	N.D
167	1,3-propanesultone	N.D	N.D	N.D	N.D
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	N.D	N.D	N.D	N.D

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(15) The fifteenth batch of SVHC

No.	Tested Item(s)	Test result (%)			
		Group(1)	Group(2)	Group(3)	Whole product*
169	Benzo(def)chrysene	N.D	N.D	N.D	N.D

(16) The sixteenth batch of SVHC

No.	Tested Item(s)	Test result (%)			
		Group(1)	Group(2)	Group(3)	Whole product*
170	4,4'-isopropylidenediphenol (bisphenol A; BPA)	N.D	N.D	N.D	N.D
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	N.D	N.D	N.D	N.D
172	<i>p</i> -(1,1-dimethylpropyl)phenol	N.D	N.D	N.D	N.D
173	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]	N.D	N.D	N.D	N.D

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(17) The seventeenth batch of SVHC

No.	Tested Item(s)	Test result (%)			
		Group(1)	Group(2)	Group(3)	Whole product*
174	<u>Perfluorohexane-1-sulphonic acid and its salts</u>	N.D	N.D	N.D	N.D

Remark:

- RL = Reporting Limits;
- N.D = Not Detected (<RL);
- 0.1% = 1000mg/kg;
- mg/kg = parts per million = ppm;
- “—” = Does not stipulate;
- SVHC = Substance of Very High Concern;

- \* = Total content in whole product  $(w/w) = \frac{\sum_{i=1}^n (c_i * w_i)}{\sum_{i=1}^n (w_i)}$

$c_i$  = Concentration of a SVHC item in each tested unit;

$w_i$  = Weight of each tested unit;

- \*\* = The substance is determined by the test results of TributylTin or element(Ex. Arsenic, Lead, Cobalt, Hexavalent Chromium Cr(VI), Silicon, Zirconium, Molybdenum, Boron, Sodium, Potassium, Cadmium respectively).
- Calculated concentration of Cobalt dichloride, Diarsenic pentaoxide, Diarsenic trioxide, Lead hydrogen arsenate, Triethyl arsenate, Sodium dichromate, Lead sulfochromate yellow(C.I.Pigment Yellow 34), Lead chromate molybdate sulfateRed(C.I.Pigment Yellow 104), Lead chromate, Boric acid, Disodium tetraborate anhydrous, Tetraboron disodium heptaoxide, hydrate, Sodium chromate, Potassium chromate, Ammonium dichromate, Potassium dichromate, Cobalt(II) sulphate ,Cobalt(II) dinitrate, Cobalt(II) carbonate , Cobalt(II) diacetate, Chromium trioxide, Chromic acid, Oligomers of Chromic acid and dichromic acid, Dichromic acid,

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Strontium chromate, Dichromium tris(chromate), Potassium hydroxyoctaoxidizincatedi-chromate, Pentazinc chromate octahydroxide, Aluminosilicate Refractory Ceramic Fibres (RCF), Zr-RCF(Zirconia Aluminosilicate Refractory Ceramic Fibres), Arsenic acid, Calcium arsenate, Trilead diarsenate, Lead azide Lead diazide, Lead styphnate, Lead dipicrate, Diboron trioxide, Lead(II) bis(methanesulfonate), Acetic acid, lead salt, basic, Basic lead carbonate (trilead bis(carbonate)dihydroxide), Lead oxide sulfate (basic lead sulfate), [Phthalato(2-)]dioxotrilead (dibasic lead phthalate), Dioxobis(stearato)trilead, Fatty acids, C16-18, lead salts, Lead bis(tetrafluoroborate), Lead cyanamidate, Lead dinitrate, Lead oxide (lead monoxide), Lead tetroxide (orange lead), Lead titanium trioxide, Lead Titanium Zirconium Oxide, Pentalead tetraoxide sulphate, Pyrochlore, antimony lead yellow, Silicic acid, barium salt, lead- doped, Silicic acid, lead salt, Sulfurous acid, lead salt, dibasic, Tetraethyllead, Tetralead trioxide sulphate, Trilead dioxide phosphonate, Cadmium oxide, Cadmium sulfide, Acetic acid lead salt, Cadmium chloride, Sodium perborate, perboric acid, sodium salt, Sodium peroxometaborate, Cadmium fluoride, Cadmium sulphate are based on the results of the selected elemental analysis. Identity of above substances present in the article to be further confirmed.

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(II) Tested Groups:

Tested Groups	Description part	Weight Ratio (%)
Group(1)	Plastic Part 1	95.4
Group(2)	Plastic Part 2	4.5
Group(3)	Metal Part	0.1
Total		100.0

(III) Test Methods

Tested Item(s)	Test Methods	RL(%)
Anthracene	By solvent extraction and determined by GC-MSD / LC-MS / GC-FPD	0.05
4,4'-Diaminodiphenylmethane		0.05
Dibutyl phthalate(DBP)		0.05
Benzyl butyl phthalate(BBP)		0.05
Bis (2-ethylhexyl) phthalate (DEHP)		0.05
5-tert-buty-2,4,6-trinitro-m-xylene (Musk xylene)		0.05
HBCDD( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD)		0.05
Short Chain Chlorinated Paraffins		0.05
Bis(tributyltin)oxide		0.05
Anthracene oil		0.05
Anthracene oil, anthracene paste, distn. Lights		0.05
Anthracene oil, anthracene paste, anthracene fraction		0.05
Anthracene oil, anthracene-low		0.05

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Anthracene oil, anthracene paste		0.05
Di-isobutyl phthalate(DIBP)		0.05
2,4-Dinitrotoluene		0.05
Coal tar pitch, high temperature		0.05
Tris(2-chloroethyl)phosphate (TCEP)		0.05
Acrylamide		0.05
Trichloroethylene		0.05
2-Methoxyethanol		0.05
2-Ethoxyethanol		0.05

Tested Item(s)	Test Methods	RL(%)
2-Ethoxyethyl acetate	By solvent extraction and determined by GC-MSD / LC-MS / GC-FPD	0.05
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)		0.05
1,2,3-trichloropropane		0.05
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich		0.05
Hydrazine		0.05
1-methyl-2-pyrrolidone		0.05
Formaldehyde, oligomeric reaction products with aniline		0.05
Bis(2-methoxyethyl) phthalate		0.05
2-Methoxyaniline; o-Anisidine		0.05

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4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	0.05
1,2-Dichloroethane	0.05
Bis(2-methoxyethyl) ether	0.05
N,N-dimethylacetamide	0.05
Phenolphthalein	0.05
4,4'-Methylenebis(2-chloroaniline) (MOCA)	0.05
1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	0.05
1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	0.05
Formamide	0.05
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	0.05
1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione ( $\beta$ -TGIC)	0.05

Tested Item(s)	Test Methods	RL(%)
4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	By solvent extraction and determined by GC-MSD / LC-MS / GC-FPD	0.05
N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)		0.05
[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)		0.05
[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I.		0.05

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Basic Blue 26)	
$\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1- methanol (C.I. Solvent Blue 4)	0.05
4,4'-bis(dimethylamino)-4''- (methylamino)trityl alcohol	0.05
Bis(pentabromophenyl) ether (DecaBDE)	0.05
4-(1,1,3,3- tetramethylbutyl)phenol, ethoxylated -covering well- defined substances and UVCB substances, polymers and homologues	0.05
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	0.05
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	0.05
Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	0.05
Hexahydromethylphthalic anhydride, Hexahydro-4- methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3- methylphthalic anhydride	0.05
Methoxy acetic acid	0.05

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Tested Item(s)	Test Methods	RL(%)
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	By solvent extraction and determined by GC-MSD / LC-MS / GC-FPD	0.05
Diisopentylphthalate (DIPP)		0.05
N-pentyl-isopentylphthalate		0.05
1,2-Diethoxyethane		0.05
N,N-dimethylformamide; dimethyl formamide		0.05
Dibutyltin dichloride (DBT)		0.05
Furan		0.05
Propylene oxide; 1,2-epoxypropane; methyloxirane		0.05
Diethyl sulphate		0.05
Dimethyl sulphate		0.05
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine		0.05
Dinoseb		0.05
4,4'-methylenedi-o-toluidine		0.05
4,4'-oxydianiline and its salts		0.05
4-Aminoazobenzene; 4- Phenylazoaniline		0.05
4-methyl-m-phenylenediamine (2,4-toluene-diamine)		0.05
6-methoxy-m-toluidine (p- cresidine)		0.05
Biphenyl-4-ylamine		0.05
o-aminoazotoluene	0.05	

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o-Toluidine; 2-Aminotoluene		0.05
N-methylacetamide		0.05
1-bromopropane; n-propyl bromide		0.05

Tested Item(s)	Test Methods	RL(%)
Dipentyl phthalate(DPP)	By solvent extraction and determined by GC-MSD / LC-MS / GC-FPD	0.05
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]		0.05
Dihexyl Phthalate(DHP)		0.05
CI Direct Red 28		0.05
CI Chlorazol Black 38		0.05
2-Imidazolidinethione		0.05
Trixylenyl Phosphate		0.05
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear		0.05
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)		0.05

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2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)		0.05
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)		0.05
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)		0.05

Tested Item(s)	Test Methods	RL(%)
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate	By solvent extraction and determined by GC-MSD / LC-MS / GC-FPD	0.05
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]		0.05
Nitrobenzene		0.05
2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl) phenol(UV-327)		0.05
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol(UV-350)		0.05
1,3-propanesultone		0.05

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Benzo(def)chrysene		0.05
4,4'-isopropylidenediphenol (bisphenol A; BPA)		0.05
p-(1,1-dimethylpropyl)phenol		0.05
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]		0.05

Tested Item(s)	Test Methods	RL(%)
Cobalt dichloride <sup>**</sup>	By microwave digestion / alkaline digestion and determined by ICP-OES / UV-VIS	0.05
Diarsenic pentaoxide <sup>**</sup>		0.05
Diarsenic trioxide <sup>**</sup>		0.05
Lead hydrogen arsenate <sup>**</sup>		0.05
Triethyl arsenate <sup>**</sup>		0.05
Sodium dichromate <sup>**</sup>		0.05
Lead sulfochromate yellow (C.I.Pigment Yellow 34) <sup>**</sup>		0.05
Lead chromate molybdate sulphate Red (C.I.Pigment Red 104) <sup>**</sup>		0.05

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Lead chromate**		0.05
Boric acid**		0.05
Disodium tetraborate anhydrous**		0.05
Tetraboron disodium Heptaoxide, hydrate**		0.05
Sodium chromate**		0.05
Potassium chromate**		0.05
Ammonium dichromate**		0.05
Potassium dichromate**		0.05
Cobalt(II) Sulphate**		0.05
Cobalt(II) dinitrate**		0.05

Tested Item(s)	Test Methods	RL(%)
Cobalt(II) carbonate**	By microwave digestion / alkaline digestion and determined by ICP-OES / UV-VIS	0.05
Cobalt(II) diacetate**		0.05
Chromium trioxide**		0.05
Chromic acid, Oligomers of Chromic acid and dichromic acid, Dichromic acid**		0.05
Strontium chromate**		0.05

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Dichromium tris(chromate) **	0.05
Potassium hydroxyoctaoxidizincatedi-chromate **	0.05
Pentazinc chromate octahydroxide *	0.05
Aluminosilicate Refractory Ceramic Fibres(RCF) **	0.05
Zr-RCF(Zirconia Aluminosilicate Refractory Ceramic Fibres) **	0.05
Arsenic acid **	0.05
Calcium arsenate **	0.05
Trilead diarsenate **	0.05
Lead azide Lead diazide **	0.05
Lead styphnate **	0.05
Lead dipicrate **	0.05
Diboron trioxide **	0.05
Lead(II) bis(methanesulfonate) **	0.05
Acetic acid, lead salt, basic **	0.05
Basic lead carbonate (trilead bis(carbonate)dihydroxide) **	0.05
Lead oxide sulfate (basic lead sulfate) **	0.05

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Tested Item(s)	Test Methods	RL(%)
[Phthalato(2-)]dioxotrilead (dibasic lead phthalate) **	By microwave digestion / alkaline digestion and determined by ICP-OES / UV-VIS	0.05
Dioxobis(stearato)trilead **		0.05
Fatty acids, C16-18, lead salts **		0.05
Lead bis(tetrafluoroborate) **		0.05
Lead cynamidate **		0.05
Lead dinitrate **		0.05
Lead oxide (lead monoxide) **		0.05
Lead tetroxide (orange lead) **		0.05
Lead titanium trioxide **		0.05
Lead Titanium Zirconium Oxide **		0.05
Pentalead tetraoxide sulphate **		0.05
Pyrochlore, antimony lead yellow **		0.05
Silicic acid, barium salt, lead- doped **		0.05
Silicic acid, lead salt **		0.05
Sulfurous acid, lead salt, dibasic **		0.05
Tetraethyllead **		0.05
Tetralead trioxide sulphate **		0.05
Trilead dioxide phosphonate **		0.05
Cadmium		0.05
Cadmium oxide **		0.05
Cadmium sulfide **	0.05	

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Acetic acid lead salt <sup>**</sup>		0.05
Cadmium chloride <sup>**</sup>		0.05
Sodium perborate; perboric acid, sodium salt <sup>**</sup>		0.05
Sodium peroxometaborate <sup>**</sup>		0.05

Tested Item(s)	Test Methods	RL(%)
Cadmium fluoride <sup>**</sup>	By microwave digestion / alkaline digestion and determined by ICP-OES / UV-VIS	0.05
Cadmium sulphate <sup>**</sup>		0.05

Tested Item(s)	Test Methods	RL(%)
Pentacosfluorotridecanoic acid <sup>**</sup>	By oxygen and nitrogen burn and determined by IC	0.05
Tricosfluorododecanoic acid		0.05
Henicosfluoroundecanoic acid		0.05
Heptacosfluorotetradecanoic acid		0.05
Ammonium pentadecafluorooctanoate (APFO)		0.05
Pentadecafluorooctanoic acid(PFOA)		0.05
Perfluoronon-1-oi-c-acid and its sodium and ammonium salts		0.05
Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts		0.05
<u>Perfluorohexane-1-sulphonic acid and its salts</u>		0.05

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(IV) List of SVHC:

(1) The first batch of SVHC

No.	Substance Name	CAS No.	EC No.	Classification
1	Anthracene	120-12-7	204-371-1	PBT (Article 57(d))
2	4,4'-Diaminodiphenylmethane	101-77-9	202-974-4	Carcinogenic (Article 57(a))
3	Dibutyl phthalate(DBP)	84-74-2	201-557-4	Toxic for reproduction (Article57(c)) Endocrine disrupting properties (Article 57(f)-human health)
4	Benzyl butyl phthalate(BBP)	85-68-7	201-622-7	Toxic for reproduction (Article57(c)) Endocrine disrupting properties (Article 57(f)-human health)
5	Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	204-211-0	Toxic for reproduction (Article57(c)) Endocrine disrupting properties (Article 57(f)-environment) Endocrine disrupting properties (Article 57(f)-human health)
6	5-tert-butyl-2,4,6-trinitro-m-xylene(Musk xylene)	81-15-2	201-329-4	vPvB (Article 57(e))
7	HBCDD( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD)	25637-99-4 and 3194-55-6 (134237-51-7,134237-50-6,134237-52-8)	247-148-4 and 221-695-9	PBT (Article 57(d))
8	Short Chain Chlorinated Paraffins	85535-84-8	287-476-5	PBT (Article 57(d)) vPvB (Article 57(e))
9	Bis(tributyltin)oxide	56-35-9	200-268-0	PBT (Article 57(d))
10	Cobalt dichloride **	7646-79-9	231-589-4	Carcinogenic (Article 57(a)) Toxic for reproduction (Article57(c))
11	Diarsenic pentaoxide **	1303-28-2	215-116-9	Carcinogenic (Article 57(a))

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12	Diarsenic trioxide **	1327-53-3	215-481-4	Carcinogenic (Article 57(a))
13	Lead hydrogen arsenate **	7784-40-9	232-064-2	Carcinogenic (Article 57(a)) Toxic for reproduction (Article 57c)
14	Triethyl arsenate **	15606-95-8	427-700-2	Carcinogenic (Article 57(a))
15	Sodium dichromate **	7789-12-0 and 10588-01-9	234-190-3	Carcinogenic (Article 57(a)) Mutagenic (Article 57(b)) Toxic for reproduction (Article57(c))

(2) The second batch of SVHC

No.	Substance Name	CAS No.	EC No.	Classification
16	Anthracene oil	90640-80-5	292-602-7	Carcinogenic (Article 57(a)) PBT (Article 57(d)) vPvB (Article 57(e))
17	Anthracene oil, anthracene paste, distn. Lights	91995-17-4	295-278-5	Carcinogenic (Article 57(a)) Mutagenic (Article 57(b)) PBT (Article 57(d)) vPvB (Article 57(e))
18	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	Carcinogenic (Article 57(a)) Mutagenic (Article 57(b)) PBT (Article 57(d)) vPvB (Article 57(e))
19	Anthracene oil, anthracene-low	90640-82-7	292-604-8	Carcinogenic (Article 57(a)) Mutagenic (Article 57(b)) PBT (Article 57(d)) vPvB (Article 57(e))
20	Anthracene oil, anthracene paste	90640-81-6	292-603-2	Carcinogenic (Article 57(a)) Mutagenic (Article 57(b)) PBT (Article 57(d)) vPvB (Article 57(e))
21	Di-isobutyl phthalate (DIBP)	84-69-5	201-553-2	Toxic for reproduction (Article57(c)) Endocrine disrupting properties (Article 57(f)-human health)
22	2,4-Dinitrotoluene	121-14-2	204-450-0	Carcinogenic (Article 57(a))

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23	Coal tar pitch, high temperature	65996-93-2	266-028-2	Carcinogenic (Article 57(a)) PBT (Article 57(d)) vPvB (Article 57(e))
24	Tris(2-chloroethyl)phosphate (TCEP)	115-96-8	204-118-5	Toxic for reproduction (Article57(c))
25	Lead sulfochromate yellow (C.I.Pigment Yellow 34)**	1344-37-2	215-693-7	Carcinogenic (Article 57(a)) Toxic for reproduction (Article57(c))
26	Lead chromate molybdate sulphate Red (C.I.Pigment Red 104)**	12656-85-8	235-759-9	Carcinogenic (Article 57(a)) Toxic for reproduction (Article57(c))
27	Lead chromate**	7758-97-6	231-846-0	Carcinogenic (Article 57(a)) Toxic for reproduction (Article57(c))
28	Acrylamide	79-06-1	201-173-7	Carcinogenic (Article 57(a)) Mutagenic (Article 57(b))

### (3) The third batch of SVHC

No.	Substance Name	CAS No.	EC No.	Classification
29	Trichloroethylene	79-01-6	201-167-4	Carcinogenic (Article 57(a))
30	Boric acid**	10043-35-3 11113-50-1	233-139-2/ 234-343-4	Toxic for reproduction (Article57(c))
31	Disodium tetraborate anhydrous**	1330-43-4, 12179-04-3, 1303-96-4	215-540-4	Toxic for reproduction (Article57(c))
32	Tetraboron disodium Heptaoxide, hydrate**	12267-73-1	235-541-3	Toxic for reproduction (Article57(c))
33	Sodium chromate**	7775-11-3	231-889-5	Carcinogenic (Article 57(a)) Mutagenic (Article 57(b)) Toxic for reproduction (Article57(c))
34	Potassium chromate**	7789-00-6	232-140-5	Carcinogenic (Article 57(a)) Mutagenic (Article 57(b))
35	Ammonium dichromate**	7789-09-5	232-143-1	Carcinogenic (Article 57(a)) Mutagenic (Article 57(b)) Toxic for reproduction (Article57(c))

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36	Potassium dichromate **	7778-50-9	231-906-6	Carcinogenic (Article 57(a)) Mutagenic (Article 57(b)) Toxic for reproduction (Article57(c))
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#### (4) The four batch of SVHC

No.	Substance Name	CAS No.	EC No.	Classification
37	Cobalt(II) Sulphate **	10124-43-3	233-334-2	Carcinogenic (Article 57(a)) Toxic for reproduction (Article57(c))
38	Cobalt(II) dinitrate **	10141-05-6	33-402-1	Carcinogenic (Article 57(a)) Toxic for reproduction (Article57(c))
39	Cobalt(II) carbonate **	513-79-1	208-169-4	Carcinogenic (Article 57(a)) Toxic for reproduction (Article57(c))
40	Cobalt(II) diacetate **	71-48-7	200-755-8	Carcinogenic (Article 57(a)) Toxic for reproduction (Article57(c))
41	Chromium trioxide **	1333-82-0	215-607-8	Carcinogenic (Article 57(a)) Mutagenic (Article 57(b))
42	Chromic acid, Oligomers of Chromic acid and dichromic acid, Dichromic acid **	7738-94-5, 13530-68-2	231-801-5, 236-881-5	Carcinogenic (Article 57(a))
43	2-Methoxyethanol	109-86-4	203-713-7	Toxic for reproduction (Article57(c))
44	2-Ethoxyethanol	110-80-5	203-804-1	Toxic for reproduction (Article57(c))

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(5) The five batch of SVHC

No.	Substance Name	CAS No.	EC No.	Classification
45	2-Ethoxyethyl acetate	111-15-9	203-839-2	Toxic for reproduction (Article57(c))
46	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	271-084-6	Toxic for reproduction (Article57(c))
47	1,2,3-trichloropropane	96-18-4	202-486-1	Carcinogenic (Article 57(a)) Toxic for reproduction (Article57(c))
48	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	276-158-1	Toxic for reproduction (Article57(c))
49	Strontium chromate**	7789-06-2	232-142-6	Carcinogenic (Article 57(a))
50	Hydrazine	302-01-2	206-114-9	Carcinogenic (Article 57(a))
51	1-methyl-2-pyrrolidone	872-50-4	212-828-1	Toxic for reproduction (Article57(c))

(6) The six batch of SVHC

No.	Substance Name	CAS No.	EC No.	Classification
52	Dichromium tris(chromate)**	24613-89-6	246-356-2	Carcinogenic (Article 57(a))
53	Potassium hydroxyoctaoxodizincatedi-chromate**	11103-86-9	234-329-8	Carcinogenic (Article 57(a))
54	Pentazinc chromate octahydroxide**	49663-84-5	256-418-0	Carcinogenic (Article 57(a))
55	Aluminosilicate Refractory Ceramic Fibres (RCF)**	--	--	Carcinogenic (Article 57(a))
56	Zr-RCF(Zirconia Aluminosilicate Refractory Ceramic Fibres)**	--	--	Carcinogenic (Article 57(a))
57	Formaldehyde, oligomeric reaction products with	25214-70-4	500-036-1	Carcinogenic (Article 57(a))

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	aniline			
58	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	Toxic for reproduction (Article57(c))
59	2-Methoxyaniline; Anisidine	90-04-0	201-963-1	Carcinogenic (Article 57(a))
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	205-426-2	Endocrine disrupting properties (Article 57(f)-environment)
61	1,2-Dichloroethane	107-06-2	203-458-1	Carcinogenic (Article 57(a))
62	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	Toxic for reproduction (Article57(c))
63	Arsenic acid**	7778-39-4	231-901-9	Carcinogenic (Article 57(a))
64	Calcium arsenate**	7778-44-1	231-904-5	Carcinogenic (Article 57(a))
65	Trilead diarsenate**	3687-31-8	222-979-5	Carcinogenic (Article 57(a)) Toxic for reproduction (Article57(c))
66	N,N-dimethylacetamide	127-19-5	204-826-4	Toxic for reproduction (Article57(c))
67	Phenolphthalein	77-09-8	201-004-7	Carcinogenic (Article 57(a))
68	4,4'-Methylenebis(2-chloroaniline) (MOCA)	101-14-4	202-918-9	Carcinogenic (Article 57(a))
69	Lead azide Lead diazide**	13424-46-9	236-542-1	Toxic for reproduction (Article57(c))
70	Lead styphnate**	15245-44-0	239-290-0	Toxic for reproduction (Article57(c))
71	Lead dipicrate**	6477-64-1	229-335-2	Toxic for reproduction (Article57(c))

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## (7) The seventh batch of SVHC

No.	Substance Name	CAS No.	EC No.	Classification
72	1,2-bis(2-methoxyethoxy)ethane(TEGDME; triglyme)	112-49-2	203-977-3	Toxic for reproduction (Article57(c))
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	Toxic for reproduction (Article57(c))
74	Diboron trioxide**	1303-86-2	215-125-8	Toxic for reproduction (Article57(c))
75	Formamide	75-12-7	200-842-0	Toxic for reproduction (Article57(c))
76	Lead(II) bis(methanesulfonate)**	17570-76-2	401-750-5	Toxic for reproduction (Article57(c))
77	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	219-514-3	Mutagenic (Article 57(b))
78	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione ( $\beta$ -TGIC)	59653-74-6	423-400-0	Mutagenic (Article 57(b))
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	202-027-5	Carcinogenic (Article 57(a))
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	Carcinogenic (Article 57(a))
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	Carcinogenic (Article 57(a))
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylenecyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5	219-943-6	Carcinogenic (Article 57(a))

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83	$\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	229-851-8	Carcinogenic (Article 57(a))
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	209-218-2	Carcinogenic (Article 57(a))

**(8) The eighth batch of SVHC**

No.	Substance Name	CAS No.	EC No.	Classification
85	Bis(pentabromophenyl) ether(DecaBDE)	1163-19-5	214-604-9	PBT (Article 57(d)) vPvB (Article 57(e))
86	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	vPvB (Article 57(e))
87	Tricosafuorododecanoic acid	307-55-1	206-203-2	vPvB (Article 57(e))
88	Henicosafuoroundecanoic acid	2058-94-8	218-165-4	vPvB (Article 57(e))
89	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	vPvB (Article 57(e))
90	4-(1,1,3,3-tetramethylbutyl) phenol, ethoxylated -covering well- defined substances and UVCB substances, polymers and homologues	--	--	Endocrine disrupting properties (Article 57(f)-environment)
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	--	--	Endocrine disrupting properties (Article 57(f)-environment)
92	Diazene-1,2-	123-77-3	204-650-8	Respiratory sensitising properties (Article 57(f) - human)

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	dicarboxamide(C,C'-azodi(formamide))			health)
93	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	85-42-7	201-604-9	Respiratory sensitising properties (Article 57(f)-human health)
94	Hexahydromethylphthalic 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	247-094-1, 243-072-0, 256-356-4, 260-566-1	Respiratory sensitising properties (Article 57(f)-human health)
95	Methoxy acetic acid	625-45-6	210-894-6	Toxic for reproduction (Article57(c))
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	Toxic for reproduction (Article57(c))
97	Diisopentylphthalate (DIPP)	605-50-5	210-088-4	Toxic for reproduction (Article57(c))
98	N-pentyl-isopentylphthalate	776297-69-9	--	Toxic for reproduction (Article57(c))

No.	Substance Name	CAS No.	EC No.	Classification
99	1,2-Diethoxyethane	629-14-1	211-076-1	Toxic for reproduction (Article57(c))
100	N,N-dimethylformamide; dimethyl formamide	68-12-2	200-679-5	Toxic for reproduction (Article57(c))
101	Dibutyltin dichloride (DBTC)	683-18-1	211-670-0	Toxic for reproduction (Article57(c))
102	Acetic acid, lead salt, basic **	51404-69-4	257-175-3	Toxic for reproduction (Article57(c))
103	Basic lead carbonate (trileadbis(carbonate)dihydroxide)**	1319-46-6	215-290-6	Toxic for reproduction (Article57(c))
104	Lead oxide sulfate (basic lead sulfate)**	12036-76-9	234-853-7	Toxic for reproduction (Article57(c))

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105	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)**	69011-06-9	273-688-5	Toxic for reproduction (Article57(c))
106	Dioxobis(stearato)trilead**	12578-12-0	235-702-8	Toxic for reproduction (Article57(c))
107	Fatty acids,C16-18,lead salts**	91031-62-8	292-966-7	Toxic for reproduction (Article57(c))
108	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	Toxic for reproduction (Article57(c))
109	Lead cyanamidate**	20837-86-9	244-073-9	Toxic for reproduction (Article57(c))
110	Lead dinitrate**	10099-74-8	233-245-9	Toxic for reproduction (Article57(c))
111	Lead oxide (lead monoxide)**	1317-36-8	215-267-0	Toxic for reproduction (Article57(c))
112	Lead tetroxide (orange lead)**	1314-41-6	215-235-6	Toxic for reproduction (Article57(c))
113	Lead titanium trioxide**	12060-00-3	235-038-9	Toxic for reproduction (Article57(c))
114	Lead Titanium Zirconium Oxide**	12626-81-2	235-727-4	Toxic for reproduction (Article57(c))
115	Pentalead tetraoxide sulphate**	12065-90-6	235-067-7	Toxic for reproduction (Article57(c))
116	Pyrochlore, antimony lead yellow**	8012-00-8	232-382-1	Toxic for reproduction (Article57(c))
117	Silicic acid, barium salt, lead-doped**	68784-75-8	272-271-5	Toxic for reproduction (Article57(c))
118	Silicic acid, lead salt**	11120-22-2	234-363-3	Toxic for reproduction (Article57(c))
119	Sulfurous acid, lead salt, dibasic**	62229-08-7	263-467-1	Toxic for reproduction (Article57(c))
120	Tetraethyllead**	78-00-2	201-075-4	Toxic for reproduction (Article57(c))

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No.	Substance Name	CAS No.	EC No.	Classification
121	Tetralead trioxide sulphate *	12202-17-4	235-380-9	Toxic for reproduction (Article57(c))
122	Trilead dioxide phosphonate **	12141-20-7	235-252-2	Toxic for reproduction (Article57(c))
123	Furan	110-00-9	203-727-3	Carcinogenic (Article 57(a))
124	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	200-879-2	Carcinogenic (Article 57(a)) Mutagenic (Article 57(b))
125	Diethyl sulphate	64-67-5	200-589-6	Carcinogenic (Article 57(a)) Mutagenic (Article 57(b))
126	Dimethyl sulphate	77-78-1	201-058-1	Carcinogenic (Article 57(a))
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	Toxic for reproduction (Article57(c))
128	Dinoseb	88-85-7	201-861-7	Toxic for reproduction (Article57(c))
129	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	Carcinogenic (Article 57(a))
130	4,4'-oxydianiline and its salts	101-80-4	202-977-0	Carcinogenic (Article 57(a)) Mutagenic (Article 57(b))
131	4-Aminoazobenzene; 4- Phenylazoaniline	60-9-3	200-453-6	Carcinogenic (Article 57(a))
132	4-methyl-m-phenylenediamine(2,4-toluene-diamine)	95-80-7	202-453-1	Carcinogenic (Article 57(a))
133	6-methoxy-m-toluidine (p- cresidine)	120-71-8	204-419-1	Carcinogenic (Article 57(a))
134	Biphenyl-4-ylamine	92-67-1	202-177-1	Carcinogenic (Article 57(a))
135	o-aminoazotoluen	97-56-3	202-591-2	Carcinogenic (Article 57(a))
136	o-Toluidine; 2-Aminotoluene	95-53-4	202-429-0	Carcinogenic (Article 57(a))
137	N-methylacetamide	79-16-3	201-182-6	Toxic for reproduction (Article57(c))

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138	1-bromopropane; n-propyl bromide	106-94-5	203-445-0	Toxic for reproduction (Article57(c))
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(9) The ninth batch of SVHC

No.	Substance Name	CAS No.	EC No.	Classification
139	Cadmium **	7440-43-9	231-152-8	Carcinogenic (Article 57(a)) Specific target organ toxicity after repeated exposure (Article 57(f)-human health)
140	Cadmium oxide **	1306-19-0	215-146-2	Carcinogenic (Article 57(a)) Specific target organ toxicity after repeated exposure (Article 57(f)-human health)
141	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	PBT (Article 57(d)) Toxic for reproduction (Article57(c))
142	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	PBT (Article 57(d)) Toxic for reproduction (Article57(c))
143	Dipentyl phthalate (DPP)	131-18-0	205-017-9	Toxic for reproduction (Article57(c))
144	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]	--	--	Endocrine disrupting properties (Article 57(f)-environment)

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(10) The tenth batch of SVHC

No.	Substance Name	CAS No.	EC No.	Classification
145	Cadmium sulfide**	1306-23-6	215-147-8	Carcinogenic (Article 57(a)) Specific target organ toxicity after repeated exposure (Article 57(f)-human health)
146	Dihexyl Phthalate(DHP)	84-75-3	201-559-5	Toxic for reproduction (Article57(c))
147	CI Direct Red 28	573-58-0	209-358-4	Carcinogenic (Article 57(a))
148	CI Chlorazol Black 38	1937-37-7	217-710-3	Carcinogenic (Article 57(a))
149	2-Imidazolidinethione	96-45-7	202-506-9	Toxic for reproduction (Article57(c))
150	Acetic acid lead salt**	301-04-2	206-104-4	Toxic for reproduction (Article57(c))
151	Trixylenyl Phosphate	25155-23-1	246-677-8	Toxic for reproduction (Article57(c))

(11) The eleventh batch of SVHC

No.	Substance Name	CAS No.	EC No.	Classification
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	Toxic for reproduction (Article57(c))
153	Cadmium chloride**	10108-64-2	233-296-7	Carcinogenic (Article 57(a)) Mutagenic (Article 57(b)) Toxic for reproduction (Article57(c)) Specific target organ toxicity after repeated exposure (Article 57(f)-human health)
154	Sodium perborate; perboric acid, sodium salt**	234-390-0	239-172-9; 234-390-0	Toxic for reproduction (Article57(c))
155	Sodium peroxometaborate* *	7632-04-4	231-556-4	Toxic for reproduction (Article57(c))

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## (12) The twelfth batch of SVHC

No.	Substance Name	CAS No.	EC No.	Classification
156	Cadmium fluoride**	7790-79-6	232-222-0	Carcinogenic (Article 57(a)) Mutagenic (Article 57(b)) Toxic for reproduction (Article57(c)) Specific target organ toxicity after repeated exposure (Article 57(f)-human health)
157	Cadmium sulphate**	10124-36-4; 31119-53-6	233-331-6	Carcinogenic (Article 57(a)) Mutagenic (Article 57(b)) Toxic for reproduction (Article57(c)) Specific target organ toxicity after repeated exposure (Article 57(f)-human health)
158	2-benzotriazol-2-yl-4,6-ditert-butylphenol (UV-320)	3846-71-7	223-346-6	PBT (Article 57(d)) vPvB (Article 57(e))
159	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4	Toxic for reproduction (Article57(c))
160	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	PBT (Article 57(d)) vPvB (Article 57(e))
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)	--	--	Toxic for reproduction (Article57(c))

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(13) The thirteenth batch of SVHC

No.	Substance Name	CAS No.	EC No.	Classification
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq$ 0.3% of dihexyl phthalate	68515-51-5 68648-93-1	271-094-0 272-013-1	Toxic for reproduction (Article57(c))
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]	--	--	vPvB (Article 57(e))

(14) The fourteenth batch of SVHC

No.	Substance Name	CAS No.	EC No.	Classification
164	Nitrobenzene	202-716-0	98-95-3	Toxic for reproduction (Article57(c))
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol(UV-327)	223-383-8	3864-99-1	vPvB (Article 57(e))
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol(UV-350)	253-037-1	36437-37-3	vPvB (Article 57(e))
167	1,3-propanesultone	214-317-9	1120-71-4	Carcinogenic (Article 57(a))
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	206-801-3	375-95-121049-39-84149-60-4	Toxic for reproduction (Article57(c)) PBT (Article 57(d))

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(15) The fifteenth batch of SVHC

No.	Substance Name	CAS No.	EC No.	Classification
169	Benzo(def)chrysene	50-32-8	200-028-5	Carcinogenic (Article 57(a)) Mutagenic (Article 57(b)) Toxic for reproduction (Article 57(c)) PBT (Article 57(d)) vPvB (Article 57(e))

(16) The sixteenth batch of SVHC

No.	Substance Name	CAS No.	EC No.	Classification
170	4,4'-isopropylidenediphenol (bisphenol A; BPA)	80-05-7	201-245-8	Toxic for reproduction (Article 57(c)) Endocrine disrupting properties (Article 57(f)-human health)
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2 3830-45-3 3108-42-7	206-400-3- 221-470-5	Toxic for reproduction (Article 57(c)) PBT (Article 57(d))
172	<i>p</i> -(1,1-dimethylpropyl)phenol	80-46-6	201-280-9	Endocrine disrupting properties (Article 57(f)-environment)
173	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]	--	--	Endocrine disrupting properties (Article 57(f)-environment)

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(17) The seventeenth batch of SVHC

No.	Substance Name	CAS No.	EC No.	Classification
174	<u>Perfluorohexane-1-sulphonic acid and its salts</u>	--	--	vPvB (Article 57(e))

Remark:

(1) Substances of Very High Concern (SVHC) are classified as:

- (a) Carcinogenic (Article 57(a))
- (b) Mutagenic (Article 57(b))
- (c) Toxic for reproduction (Article 57(c))
- (d) PBT (Article 57(d))
- (e) vPvB (Article 57(e))
- (f) Respiratory sensitising properties (Article 57(f)-human health)
- (g) Specific target organ toxicity after repeated exposure (Article 57(f)-human health)
- (h) Endocrine disrupting properties (Article 57(f)-environment)

(2) The chemical analysis of 174 SVHC is performed by means of currently available analytical Techniques against the list published by ECHA on Oct. 28, 2008、Dec. 7, 2009、May. 3, 2010、Jun. 18, 2010、Dec. 15, 2010、Jun. 20, 2011, Dec. 19, 2011 and Jun. 18, 2012, Dec. 19, 2012, Jun. 20, 2013, Dec. 16, 2013, Jun. 16, 2014, Dec. 17, 2014, Jun. 15, 2015, Dec. 17, 2015, Jun. 20, 2016, Jan. 12, 2017 and Jul. 07, 2017 and shall refer to [http://echa.europa.eu/chem\\_data/candidate\\_list\\_table\\_en.asp](http://echa.europa.eu/chem_data/candidate_list_table_en.asp).

This list is under evaluation by ECHA and may subject to change in the future.

(3) In accordance with Regulation (EC) No 1907/2006, any 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), the following information is submitted for notification:

- (a). Identification of the registrant and the substance;
- (b). Classification and labeling of the substance;
- (c). Description of use of the substance and the article;
- (d). Registration number, if available;
- (e). Tonnage range.

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(4) 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.

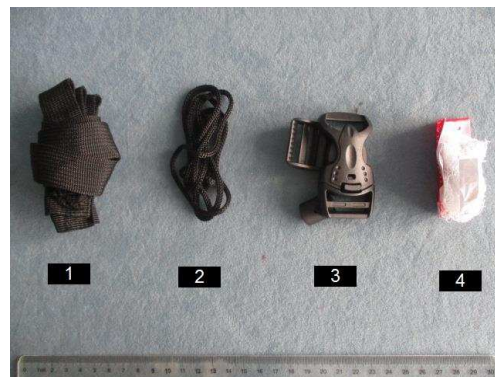
**Photo(s) of test sample(s)**



**(Whole product)**



**(1)**



**(2)**

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\*\*\*\*\* End of Report \*\*\*\*\*

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