



TEST REPORT

No.:SST19001835

Date.:2019-04-10

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Applicant:

Address:

Report on the submitted sample said to be:

Material description: Dark grey suiting pressure change PU

Style/ Model No.:	N/A	P/O No./ Lot No. :	N/A
Order No.:	N/A	Material :	N/A
Color:	N/A	Test Request Age :	N/A
Manufactory :	N/A	Buyer :	N/A
Country of Origin :	N/A	Country of Export :	N/A

Sample received date : April 3,2019

Sample test period : From April 3,2019 to April 10,2019

SUMMARY OF TEST RESULT(S)

Test Item(s)	Conclusion	Remark
Screening of 197 Substances of Very High Concern (SVHC). Based on the list published by European Chemicals Agency (ECHA) public consultation, regarding Regulation (EC) No. 1907/2006 concerning the REACH	PASS	-

*****FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)*****

Signatories:



John Yue
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Result:

Screening of 197 Substances of Very High Concern (SVHC) - The list published by European Chemicals Agency (ECHA) public consultation, regarding Regulation (EC) No. 1907/2006 concerning the REACH

Method: In-house method were used and Analysis is based on GC-MS, ICP-OES, HPLC-DAD/MS,UV-Vis and other detection techniques.

Test Item(s)	Result(s)			Limit(s) (each of listed)	Conclusion
	Unit	Detected Analyte(s)	Conc.		
001	%	ND	ND	0.1	PASS

Note:

ND = Not detected(<RL)

% = percent

1000 mg/kg =0.1 %

mg/kg = milligram(s) per kilogram

Report Limit (%) : See Appendix

Remark

The list of Candidate List of Substances of Very High Concern for authorization published by European Chemicals Agency (ECHA) Regarding Regulation (EC) No. 1907/2006 concerning REACH and is summarized in table of appendix.

Specimen Description:

001: Grey soft plastic with fabric backing



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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.	Report Limit, (%)	SVHC classification
1	Triethyl arsenate*	15606-95-8	427-700-2	0.005	Carcinogenic
2	Anthracene	120-12-7	204-371-1	0.050	PBT
3	4,4'-Diaminodiphenyl methane (MDA)	101-77-9	202-974-4	0.050	Carcinogenic
4	Dibutyl phthalate (DBP)	84-74-2	201-557-4	0.050	Toxic for reproduction
5	Cobalt dichloride*	7646-79-9	231-589-4	0.005	Carcinogenic
6	Diarsenic pentaoxide*	1303-28-2	215-116-9	0.005	Carcinogenic
7	Diarsenic trioxide*	1327-53-3	215-481-4	0.005	Carcinogenic
8	Sodium dichromate*	7789-12-0 ⁽¹⁾ , 10588-01-9 ⁽²⁾	234-190-3	0.005	Carcinogenic; Mutagenic; Toxic for reproduction
9	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	0.050	vPvB
10	Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	204-211-0	0.050	Toxic for reproduction
11	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: α - HBCDD β - HBCDD γ - HBCDD	3194-55-6 ⁽³⁾ , 25637-99-4 ⁽⁴⁾ 134237-50-6 134237-51-7 134237-52-8	247-148-4, 221-695-9	0.050	PBT
12	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (SCCP)	85535-84-8	287-476-5	0.050	PBT, vPvB
13	Bis(tributyltin)oxide (TBTO)**	56-35-9	200-268-0	0.050	PBT
14	Lead hydrogen arsenate*	7784-40-9	232-064-2	0.005	Carcinogenic; Toxic for reproduction
15	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	0.050	Toxic for reproduction
16	2,4-Dinitrotoluene	121-14-2	204-450-0	0.050	Carcinogenic
17	Anthracene oil	90640-80-5	292-602-7	0.050	Carcinogenic, PBT, vPvB
18	Anthracene oil, anthracene paste, distr. Lights	91995-17-4	295-278-5	0.050	Carcinogenic; Mutagenic, PBT, vPvB
19	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	0.050	Carcinogenic; Mutagenic, PBT, vPvB



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No.	Substance name	CAS No.	EC No.	Report Limit, (%)	SVHC classification
20	Anthracene oil, anthracene-low	90640-82-7	292-604-8	0.050	Carcinogenic; Mutagenic, PBT, vPvB
21	Anthracene oil, anthracene paste	90640-81-6	292-603-2	0.050	Carcinogenic; Mutagenic, PBT, vPvB
22	Diisobutyl phthalate	84-69-5	201-553-2	0.050	Toxic for reproduction
23	Aluminosilicate, Refractory Ceramic Fibres ^a	Index no. 650-017-00-8		0.005	Carcinogenic
24	Zirconia Aluminosilicate, Refractory Ceramic Fibres ^b	Index no. 650-017-00-8		0.005	Carcinogenic
25	Lead chromate*	7758-97-6	231-846-0	0.005	Carcinogenic; Toxic for reproduction
26	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)*	12656-85-8	235-759-9	0.005	Carcinogenic; Toxic for reproduction
27	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	215-693-7	0.005	Carcinogenic; Toxic for reproduction
28	Tris(2-chloroethyl) phosphate	115-96-8	204-118-5	0.050	Toxic for reproduction
29	Coal tar pitch, high temperature	65996-93-2	266-028-2	0.050	Carcinogenic, PBT, vPvB
30	Acrylamide	79-06-1	201-173-7	0.050	Carcinogenic; Mutagenic
31	Trichloroethylene	79-01-6	201-167-4	0.050	Carcinogenic
32	Boric acid*	10043-35-3, 11113-50-1	233-139-2 / 234-343-4	0.005	Toxic for reproduction
33	Disodiumtetraborate, anhydrous*	1330-43-4 ⁽⁵⁾ , 12179-04-3 ⁽⁶⁾ , 1303-96-4 ⁽⁷⁾	215-540-4	0.005	Toxic for reproduction
34	Tetraborondisodium heptaoxide, hydrate*	12267-73-1	235-541-3	0.005	Toxic for reproduction
35	Sodium chromate*	7775-11-3	231-889-5	0.005	Carcinogenic; Mutagenic; Toxic for reproduction
36	Potassium chromate*	7789-00-6	232-140-5	0.005	Carcinogenic; Mutagenic
37	Ammonium dichromate*	7789-09-5	232-143-1	0.005	Carcinogenic; Mutagenic; Toxic for reproduction
38	Potassium dichromate*	7778-50-9	231-906-6	0.005	Carcinogenic; Mutagenic; Toxic for reproduction
39	Cobalt(II) sulphate*	10124-43-3	233-334-2	0.005	Carcinogenic; Toxic for reproduction
40	Cobalt(II) dinitrate*	10141-05-6	233-402-1	0.005	Carcinogenic; Toxic for reproduction



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No.	Substance name	CAS No.	EC No.	Report Limit(%)	SVHC classification
41	Cobalt(II) carbonate*	513-79-1	208-169-4	0.005	Carcinogenic; Toxic for reproduction
42	Cobalt(II) diacetate*	71-48-7	200-755-8	0.005	Carcinogenic; Toxic for reproduction
43	2-Methoxyethanol	109-86-4	203-713-7	0.050	Toxic for reproduction
44	2-Ethoxyethanol	110-80-5	203-804-1	0.050	Toxic for reproduction
45	Chromium trioxide*	1333-82-0	215-607-8	0.005	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	0.005	Carcinogenic
47	2-Ethoxyethyl acetate	111-15-9	203-839-2	0.050	Toxic for reproduction
48	Strontium Chromate*	7789-06-2	232-142-6	0.005	Carcinogenic
49	1,2-benzenedicarboxylic acid, di-C7-11 branched alkyl ester and linear alkyl ester	68515-42-4	271-084-6	0.050	Toxic for reproduction
50	Hydrazine	302-01-2 7803-57-8	206-114-9	0.050	Carcinogenic
51	1-Methyl-2-pyrrolidone	872-50-4	212-828-1	0.050	Toxic for reproduction
52	1,2,3-trichloropropane	96-18-4	202-486-1	0.050	Toxic for reproduction
53	1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl ester, C7-rich (DIHP)	71888-89-6	276-158-1	0.050	Toxic for reproduction
54	Dichromium tris(chromate)*	24613-89-6	246-356-2	0.005	Carcinogenic
55	Potassium hydroxyoctaoxodizincatedi-chromate*	11103-86-9	234-329-8	0.005	Carcinogenic
56	Pentazincchromate octahydroxide*	49663-84-5	256-418-0	0.005	Carcinogenic
57	Formaldehyde,oligomeric reaction products with aniline (technical MDA)	25214-70-4	500-036-1	0.050	Carcinogenic
58	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	0.050	Toxic for reproduction
59	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	0.050	Carcinogenic
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	205-426-2	0.050	Equivalent level of concern
61	1,2-Dichloroethane	107-06-2	203-458-1	0.050	Carcinogenic
62	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	0.050	Toxic for reproduction
63	Arsenic acid*	7778-39-4	231-901-9	0.005	Carcinogenic
64	Calcium arsenate*	7778-44-1	231-904-5	0.005	Carcinogenic
65	Trilead diarsenate*	3687-31-8	222-979-5	0.005	Carcinogenic; Toxic for reproduction



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No.	Substance name	CAS No.	EC No.	Report Limit(%)	SVHC classification
66	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	0.050	Toxic for reproduction
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	0.050	Carcinogenic
68	Phenolphthalein	77-09-8	201-004-7	0.050	Carcinogenic
69	Lead azide, Lead diazide*	13424-46-9	236-542-1	0.005	Toxic for reproduction
70	Lead styphnate*	15245-44-0	239-290-0	0.005	Toxic for reproduction
71	Lead dipicrate*	6477-64-1	229-335-2	0.005	Toxic for reproduction
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	203-977-3	0.050	Toxic for reproduction
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	0.050	Toxic for reproduction
74	Diboron trioxide*	1303-86-2	215-125-8	0.005	Toxic for reproduction
75	Formamide	75-12-7	200-842-0	0.050	Toxic for reproduction
76	Lead(II) bis(methanesulfonate)*	17570-76-2	401-750-5	0.005	Toxic for reproduction
77	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) ^s	2451-62-9	219-514-3	0.050	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) ^s	59653-74-6	423-400-0	0.050	Mutagenic
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	202-027-5	0.050	Carcinogenic
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	0.050	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	0.050	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	0.050	Carcinogenic
83	α,α-Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	229-851-8	0.050	Carcinogenic
84	4,4'-bis(dimethylamino)-4''-(methylanino)trityl alcohol	561-41-1	209-218-2	0.050	Carcinogenic



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No.	Substance name	CAS No.	EC No.	Report Limit(%)	SVHC classification
85	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	214-604-9	0.050	Persistent, bioaccumulative and toxic; very persistent and very bioaccumulative
86	N,N-dimethylformamide; dimethyl formamide	68-12-2	200-679-5	0.050	Toxic for reproduction
87	Methoxy acetic acid	625-45-6	210-894-6	0.050	Toxic for reproduction ; equivalent level of concern
88	Dibutyltin dichloride (DBT)*	683-18-1	211-670-0	0.050	Toxic for reproduction
89	1,2-Diethoxyethane	629-14-1	211-076-1	0.050	Toxic for reproduction
90	Hexahydro-2-benzofuran-1,3-dione(HHPA),cis-cyclohexane-1,2-dicarboxylicanhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7, 13149-00-3, 14166-21-3	201-604-9, 236-086-3, 238-009-9	0.050	Equivalent level of concern
91	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	0.050	Equivalent level of concern
92	4-Nonylphenol, branched and linear	-	-	0.050	Equivalent level of concern
93	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	0.050	Very persistent and very bioaccumulative
94	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear +	84777-06-0	284-032-2	0.050	Toxic for reproduction
95	Henicosafuoroundecanoic acid	2058-94-8	218-165-4	0.050	Very persistent and very bioaccumulative
96	N-pentyl-isopentylphthalate (iPnPP) +	776297-69-9	-	0.050	Toxic for reproduction
97	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	0.050	Very persistent and very bioaccumulative
98	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues	-	-	0.050	Equivalent level of concern



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99	Tricosafuorododecanoic acid	307-55-1	206-203-2	0.050	Very persistent and very bioaccumulative
100	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	0.005	Toxic for reproduction
101	Lead tetroxide (orange lead)*	1314-41-6	215-235-6	0.005	Toxic for reproduction
102	Diethyl sulphate	64-67-5	200-589-6	0.005	Carcinogenic; Mutagenic
103	Dinoseb	88-85-7	201-861-7	0.050	Toxic for reproduction
104	Lead Titanium Zirconium Oxide*	12626-81-2	235-727-4	0.005	Toxic for reproduction
105	Acetic acid, lead salt, basic*	51404-69-4	257-175-3	0.005	Toxic for reproduction
106	Furan	110-00-9	203-727-3	0.050	Carcinogenic
107	N-methylacetamide	79-16-3	201-182-6	0.050	Toxic for reproduction
108	o-Toluidine; 2-Aminotoluene	95-53-4	202-429-0	0.050	Carcinogenic
109	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	0.050	Toxic for reproduction
110	4,4'-oxydianiline and its salts	101-80-4	202-977-0	0.050	Carcinogenic; Mutagenic
111	[Phthalato(2-)]dioxotrilead (Dibasic lead phthalate)*	69011-06-9	273-688-5	0.005	Toxic for reproduction
112	Lead titanium trioxide*	12060-00-3	235-038-9	0.005	Toxic for reproduction
113	Lead oxide sulphate*	12036-76-9	234-853-7	0.005	Toxic for reproduction
114	Lead dinitrate*	10099-74-8	233-245-9	0.005	Toxic for reproduction
115	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	200-453-6	0.050	Carcinogenic
116	Lead cyanamidate*	20837-86-9	244-073-9	0.005	Toxic for reproduction
117	Tetralead trioxide sulphate*	12202-17-4	235-380-9	0.005	Toxic for reproduction
118	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	202-453-1	0.050	Carcinogenic
119	Pyrochlore, antimony lead yellow*	8012-00-8	232-382-1	0.050	Toxic for reproduction
120	Trilead bis(carbonate)dihydroxide (basic lead carbonate)*	1319-46-6	215-290-6	0.005	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	0.005	Toxic for reproduction
123	Silicicacid, barium salt, lead-doped*	68784-75-8	272-271-5	0.005	Toxic for reproduction
124	Biphenyl-4-ylamine	92-67-1	202-177-1	0.050	Carcinogenic
125	Lead oxide (lead monoxide)*	1317-36-8	215-267-0	0.005	Toxic for reproduction
126	Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	0.005	Toxic for reproduction
127	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	200-879-2	0.050	Carcinogenic; Mutagenic



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No.	Substance name	CAS No.	EC No.	Report Limit(%)	SVHC classification
128	Silicic acid, lead salt*	11120-22-2	234-363-3	0.005	Toxic for reproduction
129	Trilead dioxide phosphonate*	12141-20-7	235-252-2	0.005	Toxic for reproduction
130	o-aminoazotoluene	97-56-3	202-591-2	0.050	Carcinogenic
131	1-bromopropane	106-94-5	203-445-0	0.050	Toxic for reproduction
132	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	0.050	Carcinogenic
133	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	0.050	Carcinogenic
134	Tetraethyllead*	78-00-2	201-075-4	0.005	Toxic for reproduction
135	Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	0.005	Toxic for reproduction
136	Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	0.005	Toxic for reproduction
137	Diisopentylphthalate +	605-50-5	210-088-4	0.050	Toxic for reproduction
138	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	0.050	Equivalent level of concern
139	Cadmium*	7440-43-9	231-152-8	0.005	Carcinogenic; Equivalent level of concern
140	Cadmium oxide*	1306-19-0	215-146-2	0.005	Carcinogenic; Equivalent level of concern
141	Dipentyl phthalate (DPP) +	131-18-0	205-017-9	0.050	Toxic for reproduction
142	4-Nonylphenol, branched and linear, ethoxylated	-	-	0.050	Equivalent level of concern
143	Ammonium pentadecafluorooctanoate (APFO) #	3825-26-1	223-320-4	0.050	Toxic for reproduction; PBT
144	Pentadecafluorooctanoic acid (PFOA) #	335-67-1	206-397-9	0.050	Toxic for reproduction; PBT
145	Cadmium sulphide	1306-23-6	215-147-8	0.005	Carcinogenic; Equivalent level of concern
146	Dihexyl phthalate	84-75-3	201-559-5	0.050	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	0.050	Carcinogenic



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No.	Substance name	CAS No.	EC No.	Report Limit(%)	SVHC classification
148	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)napthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	217-710-3	0.050	Carcinogenic
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	202-506-9	0.050	Toxic for reproduction
150	Lead di(acetate)	301-04-2	206-104-4	0.005	Toxic for reproduction
151	Trixylyl phosphate	25155-23-1	246-677-8	0.050	Toxic for reproduction
152	Cadmium chloride	10108-64-2	233-296-7	0.050	Carcinogenic, Equivalent level of concern having probable serious effects to the environment
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	0.05	Toxic for reproduction
155	Sodium perborate; perboric acid, sodium salt	234-390-0	239-172-9	0.05	Toxic for reproduction
156	Cadmium fluoride *	7790-79-6	232-222-0	0.005	Carcinogenic; Mutagenic; Toxic for Reproduction; Equivalent level of concern having probable serious effects to human health
157	Cadmium sulphate *	10124-36-4; 31119-53-6	233-331-6	0.005	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	0.050	PBT; vPvB
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	0.050	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	0.050	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)	573-58-0	209-358-4	0.050	Carcinogenic



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No.	Substance name	CAS No.	EC No.	Report Limit(%)	SVHC 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	271-094-0 272-013-1 (68515-51-5 68648-93-1)	201-559-5	0.050	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 stereoisomers of [1] and [2] or any combination thereof]	-	-	0.050	vPvB
164	1,3-propanesultone	1120-71-4	214-317-9	0.050	Carcinogenic
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	0.050	vPvB
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	0.050	vPvB
167	Nitrobenzene	98-95-3	202-716-0	0.050	Toxic for Reproduction
168	Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptafluorooctanoic acid and its sodium and ammonium salts	375-95-1; 21049-39-8; 4149-60-4	206-801-3	0.050	Toxic for Reproduction; PBT
169	Benzo[def]chrysene	50-32-8	200-028-5	0.050	Carcinogenic; Mutagenic Toxic for reproduction; PBT; vPvB



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No.	Substance name	CAS No.	EC No.	Report Limit(%)	SVHC classification
170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	201-245-8	0.050	Toxic for Reproduction
171	4-Heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	--	--	0.050	Equivalent level of concern having probable serious effects to the environment
172	p-(1,1-dimethylpropyl)phenol	80-46-6	201-280-9	0.050	Equivalent level of concern having probable serious effects to the environment
173	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7; 335-76-2; 3830-45-3	206-400-3; 221-470-5	0.050	Toxic for Reproduction
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	355-46-4	206-587-1	0.050	vPvB
175	Chrysene	218-01-9	205-923-4	0.050	Carcinogenic; PBT; vPvB
176	Benz[a]anthracene	56-55-3	200-280-6	0.050	Carcinogenic; PBT; vPvB
177	Cadmium nitrate	10325-94-7	233-710-6	0.005	Carcinogenic; Mutagenic Toxic for reproduction; PBT; vPvB
178	Cadmium hydroxide	513-78-0	208-168-9	0.005	Carcinogenic; Mutagenic Toxic for reproduction; PBT; vPvB
179	Cadmium carbonate	21041-95-2	244-168-5	0.005	Carcinogenic; Mutagenic Toxic for reproduction; PBT; vPvB
180	Dechlorane Plus(TM) and reaction productsof1,3,4-thiadiazolidine-2,5-dithione	13560-89-9; 135821-74-8; 135821-03-3	--	0.050	vPvB



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No.	Substance name	CAS No.	EC No.	Report Limit(%)	SVHC classification
181	Formaldehydeand 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1%w/w 4-heptylphenol, branched and linear].	--	--	0.050	Endocrine disrupting
182	Benzene-1,2,4-tricarboxylic acid 1,2anhydride (trimellitic anhydride) (TMA)	552-30-7	209-008-0	0.050	Respiratory sensitization
183	Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9	0.050	Reproductive toxicity of 1B class Endocrine disrupting attributes
184	Octamethylcyclotetrasiloxane D4	556-67-2	209-136-7	0.050	PBT ;vPvB
185	Decamethylcyclopentasiloxane D5	541-02-6	208-764-9	0.050	PBT ;vPvB
186	Decamethylcyclopentasiloxane D6	540-97-6	208-762-8	0.050	PBT ;vPvB
187	Lead	7439-92-1	231-100-4	0.005	Toxic for reproduction
188	Disodium octaborate	12008-41-2	234-541-0	0.005	Toxic for reproduction
189	Benzo[ghi]perylene	191-24-2	205-883-8	0.050	PBT ;vPvB
190	Terphenyl, hydrogenated	61788-32-7	262-967-7	0.050	PBT ;vPvB
191	Ethylenediamine(EDA)	107-15-3	203-468-6	0.050	Respiratory sensitising properties
192	1,7,7-trimethyl-3-(phenylmethyle ne)bicyclo[2.2.1]heptan-2-one	15087-24-8	239-139-9	0.050	Endocrine disrupting properties
193	2,2-bis(4'-hydroxyphenyl)-4-met hylpentane	6807-17-6	401-720-1	0.050	Toxic for reproduction
194	Benzo[k]fluoranthene	207-08-9	205-916-6	0.050	PBT ;vPvB
195	Fluoranthene	206-44-0; 93951-69-0	205-912-4	0.050	PBT ;vPvB
196	Phenanthrene	85-01-8	201-581-5	0.050	vPvB
197	Pyrene	129-00-0; 1718-52-1	204-927-3	0.050	PBT ;vPvB



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- ⁽¹⁾ CAS no. 7789-12-0 refers to sodium dichromate dihydrate
- ⁽²⁾ CAS no. 10588-01-9 refers to anhydrous sodium dichromate
- ⁽³⁾ CAS no. 3194-55-6 refers to a specific HBCDD - 1,2,5,6,9,10-hexabromocyclododecane
- ⁽⁴⁾ CAS no. 25637-99-4 refers to unspecific HBCDD isomer composition
- ⁽⁵⁾ CAS no. 1330-43-4 refers to disodium tetraborate, anhydrous
- ⁽⁶⁾ CAS no. 12179-04-3 refers to sodium tetraborate, pentahydrate
- ⁽⁷⁾ CAS no. 1303-96-4 refers to sodium tetraborate, decahydrate

Method: In-house method were used and Analysis is based on GC-MS, ICP-OES, HPLC-DAD/MS,UV-Vis and other detection techniques.

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*
4. **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.*
6. *^sTGIC (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.*
7. *^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 (μ m) c) alkaline oxide and alkali earth oxide ($\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$) content less or equal to 18% by weight.*
8. *^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 (μ m). c) alkaline oxide and alkali earth oxide ($\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$) content less or equal to 18% by weight.*
9. *[†][1,2-Benzenedicarboxylic acid, dipentylester, branched and linear] is a mixture of phthalates contains DPP, DIPP and N-pentyl-isopentylphthalate.*
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.*



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Note:

1. *The limit of 0.1% (w/w) applies to an article. The results were calculated assuming as the submitted sample was an article. 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
2. *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.*
3. *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, 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.*



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Photograph of Sample



*** End of Report ***

The test report is considered invalidated without both signature and specialized stamp, The result(s) shown in this test report refer only to the sample(s) tested. Without written approval of SST, this test report shall not be copied except in full .Detailed description are available at the website <http://www.sst-test.com>.



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