



Number : WUXH00028446

Applicant : GERMANS BOADA S.A.
AV OLIMPIADES89-91 08191(SPAIN)
Attn : XAVIER DALMAU

Date : Jan 30, 2015

Sample Description As Declared:

Three (3) Pieces Of Submitted Sample Said To Be :

Item Name : (A)88811 Rubber Rubble Chute With Top Metal Hopper;
(B)88814 Rubber Rubble Chute Standard Section;
(C)88813 Rubber Rubble Chute Side-Entry Section.

Manufacturer : BOADA KANGURO S.L.
Goods Made In : SPAIN.

Tests Conducted:
As Requested By The Applicant, For Details Refer To Attached Pages

Prepared And Checked By:
For Intertek Testing Services Wuxi Ltd.

Jessica Lu
General Manager



Tests Conducted (As Requested By The Applicant)

1 (I) SVHC Testing Results

(a) The First List (15 SVHC Released in Oct, 2008)

Chemical Substance	CAS No.	Results % (w/w)		
		(A)	(B)	(C)
Cobalt Dichloride Δ	7646-79-9	ND	ND	ND
Diarsenic Pentaoxide Δ	1303-28-2	ND	ND	ND
Diarsenic Trioxide Δ	1327-53-3	ND	ND	ND
Lead Hydrogen Arsenate Δ	7784-40-9	ND	ND	ND
Triethyl Arsenate Δ	15606-95-8	ND	ND	ND
Sodium Dichromate Δ	7789-12-0, 10588-01-9	ND	ND	ND
Bis (Tributyltin) Oxide (TBTO) Δ	56-35-9	ND	ND	ND
Anthracene	120-12-7	ND	ND	ND
4,4'-Diaminodiphenylmethane (MDA)	101-77-9	ND	ND	ND
Hexabromocyclododecane (HBCDD) and All Major Diastereoisomers Identified (α -HBCDD, β -HBCDD, γ -HBCDD)	25637-99-4 and 3194-55-6 (134237-50-6, 134237-51-7, 134237-52-8)	ND	ND	ND
5-Tert-Butyl-2,4,6-Trinitro-m-Xylene (Musk Xylene)	81-15-2	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate (DEHP)	117-81-7	ND	ND	ND
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND
Benzyl Butyl Phthalate (BBP)	85-68-7	ND	ND	ND
Short Chain Chlorinated Paraffins (C ₁₀₋₁₃)	85535-84-8	ND	ND	ND

(b) The Second List (13 SVHC Release in Jan, 2010 and Mar, 2010)

Chemical Substance	CAS No.	Results % (w/w)		
		(A)	(B)	(C)
Lead Chromate Δ	7758-97-6	ND	ND	ND
Lead Chromate Molybdate Sulphate Red (C.I. Pigment Red 104) Δ	12656-85-8	ND	ND	ND
Lead Sulfochromate Yellow (C.I. Pigment Yellow 34) Δ	1344-37-2	ND	ND	ND
Tris (2-Chloroethyl) Phosphate	115-96-8	ND	ND	ND
2,4-Dinitrotoluene	121-14-2	ND	ND	ND
Diisobutyl Phthalate (DIBP)	84-69-5	ND	ND	ND
Coal Tar Pitch, High Temperature	65996-93-2	ND	0.05	0.05
Anthracene Oil	90640-80-5	ND	ND	ND
Anthracene Oil, Anthracene Paste, Distn. Lights	91995-17-4	ND	ND	ND
Anthracene Oil, Anthracene Paste, Anthracene Fraction	91995-15-2	ND	ND	ND
Anthracene Oil, Anthracene-low	90640-82-7	ND	ND	ND
Anthracene Oil, Anthracene Paste	90640-81-6	ND	ND	ND
Acrylamide	79-06-1	ND	ND	ND

Tests Conducted (As Requested By The Applicant)

(c) The Third List (8 SVHC Release in Jun,2010)

Chemical Substance	CAS No.	Results % (w/w)		
		(A)	(B)	(C)
Boric Acid Δ	10043-35-3, 11113-50-1	ND	ND	ND
Disodium Tetraborate, Anhydrous Δ	1330-43-4, 12179-04-3, 1303-96-4	ND	ND	ND
Tetraboron Disodium Heptaoxide, Hydrate Δ	12267-73-1	ND	ND	ND
Sodium Chromate Δ	7775-11-3	ND	ND	ND
Potassium Chromate Δ	7789-00-6	ND	ND	ND
Ammonium Dichromate Δ	7789-09-5	ND	ND	ND
Potassium Dichromate Δ	7778-50-9	ND	ND	ND
Trichloroethylene	79-01-6	ND	ND	ND

(d) The Fourth List (8 SVHC Release in Dec,2010)

Chemical Substance	CAS No.	Results % (w/w)		
		(A)	(B)	(C)
2-Methoxyethanol	109-86-4	ND	ND	ND
2-Ethoxyethanol	110-80-5	ND	ND	ND
Cobalt Sulphate Δ	10124-43-3	ND	ND	ND
Cobalt Dinitrate Δ	10141-05-6	ND	ND	ND
Cobalt Carbonate Δ	513-79-1	ND	ND	ND
Cobalt Diacetate Δ	71-48-7	ND	ND	ND
Chromium Trioxide Δ	1333-82-0	ND	ND	ND
Chromic Acid Δ Dichromic Acid Δ Oligomers of Chromic Acid and Dichromic Acid Δ	7738-94-5 13530-68-2 --	ND	ND	ND

(e) The Fifth List (7 SVHC Release in Jun, 2011)

Chemical Substance	CAS No.	Results % (w/w)		
		(A)	(B)	(C)
Strontium ChromateΔ	7789-06-2	ND	ND	ND
2-ethoxyethyl acetate (2-EEA)	111-15-9	ND	ND	ND
1,2-Benzenedicarboxylic acid, di-C ₇₋₁₁ - branched and linear alkyl esters (DHNUP)	68515-42-4	ND	ND	ND
Hydrazine	7803-57-8 302-01-2	ND	ND	ND
1-methyl-2-pyrrolidone	872-50-4	ND	ND	ND
1,2,3-trichloropropane	96-18-4	ND	ND	ND
1,2-Benzenedicarboxylic acid, di-C ₆₋₈ -branched alkyl esters, C ₇ -rich (DIHP)	71888-89-6	ND	ND	ND

(f) The Sixth List (20 SVHC Release in Dec, 2011)

Chemical Substance	CAS No.	Results % (w/w)		
		(A)	(B)	(C)
Lead dipicrateΔ	6477-64-1	ND	ND	ND

Tests Conducted (As Requested By The Applicant)

Lead styphnate Δ	15245-44-0	ND	ND	ND
Lead azide; Lead diazide Δ	13424-46-9	ND	ND	ND
Phenolphthalein	77-09-8	ND	ND	ND
2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	ND	ND	ND
N,N-dimethylacetamide (DMAC)	127-19-5	ND	ND	ND
Trilead diarsenate Δ	3687-31-8	ND	ND	ND
Calcium arsenate Δ	7778-44-1	ND	ND	ND
Arsenic acid Δ	7778-39-4	ND	ND	ND
Bis(2-methoxyethyl) ether	111-96-6	ND	ND	ND
1,2-Dichloroethane	107-06-2	ND	ND	ND
4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	ND	ND	ND
2-Methoxyaniline; o-Anisidine	90-04-0	ND	ND	ND
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	ND	ND	ND
Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	ND	ND	ND
Pentazinc chromate octahydroxide Δ	49663-84-5	ND	ND	ND
Potassium hydroxyoctaoxodizincate dichromate Δ	11103-86-9	ND	ND	ND
Dichromium tris(chromate) Δ	24613-89-6	ND	ND	ND
Aluminosilicate Refractory Ceramic Fibres Δ	(Index No. 650-017-00-8)	ND	ND	ND
Zirconia Aluminosilicate Refractory Ceramic Fibres Δ	(Index No. 650-017-00-8)	ND	ND	ND

(g) The Seventh List (13 SVHC Release in Jun, 2012)

Chemical Substance	CAS No.	Results % (w/w)		
		(A)	(B)	(C)
1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	ND	ND	ND
1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	ND	ND	ND
Diboron trioxide Δ	1303-86-2	ND	ND	ND
Formamide	75-12-7	ND	ND	ND
Lead(II) bis(methanesulfonate) Δ	17570-76-2	ND	ND	ND
TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	ND	ND	ND
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	ND	ND	ND
4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	ND	ND	ND
N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	ND	ND	ND
[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-	548-62-9	ND	ND	ND

Tests Conducted (As Requested By The Applicant)

ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with \geq 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]				
[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with \geq 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	2580-56-5	ND	ND	ND
α,α -Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with \geq 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	6786-83-0	ND	ND	ND
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with \geq 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	561-41-1	ND	ND	ND

(h) The Eighth List (54 SVHC Release in Dec, 2012)

Chemical Substance	CAS No.	Results % (w/w)		
		(A)	(B)	(C)
Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	ND	ND	ND
Pentacosfluorotridecanoic acid	72629-94-8	ND	ND	ND
Tricosfluorododecanoic acid	307-55-1	ND	ND	ND
Henicosfluoroundecanoic acid	2058-94-8	ND	ND	ND
Heptacosfluorotetradecanoic acid	376-06-7	ND	ND	ND
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	ND	ND	ND
Cyclohexane-1,2-dicarboxylic anhydride [1]				
cis-cyclohexane-1,2-dicarboxylic anhydride [2]	85-42-7			
trans-cyclohexane-1,2-dicarboxylic anhydride [3]	13149-00-3	ND	ND	ND
[The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry].	14166-21-3			
Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3],	25550-51-0 19438-60-9	ND	ND	ND

Tests Conducted (As Requested By The Applicant)

Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	48122-14-1 57110-29-9			
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]	--	ND	ND	ND
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	--	ND	ND	ND
Methoxyacetic acid	625-45-6	ND	ND	ND
N,N-dimethylformamide	68-12-2	ND	ND	ND
Dibutyltin dichloride (DBTC) Δ	683-18-1	ND	ND	ND
Lead monoxide (Lead oxide) Δ	1317-36-8	ND	ND	ND
Orange lead (Lead tetroxide) Δ	1314-41-6	ND	ND	ND
Lead bis(tetrafluoroborate) Δ	13814-96-5	ND	ND	ND
Trilead bis(carbonate)dihydroxide Δ	1319-46-6	ND	ND	ND
Lead titanium trioxideΔ	12060-00-3	ND	ND	ND
Lead titanium zirconium oxideΔ	12626-81-2	ND	ND	ND
Silicic acid, lead salt Δ	11120-22-2	ND	ND	ND
Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead- dopedΔ [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]	68784-75-8	ND	ND	ND
1-bromopropane (n-propyl bromide)	106-94-5	ND	ND	ND
Methyloxirane (Propylene oxide)	75-56-9	ND	ND	ND
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	ND	ND	ND
Diisopentylphthalate (DIPP)	605-50-5	ND	ND	ND
N-pentyl-isopentylphthalate	776297-69-9	ND	ND	ND

Tests Conducted (As Requested By The Applicant)

1,2-diethoxyethane	629-14-1	ND	ND	ND
Acetic acid, lead salt, basic Δ	51404-69-4	ND	ND	ND
Lead oxide sulfate Δ	12036-76-9	ND	ND	ND
[Phthalato(2-)]dioxotrilead Δ	69011-06-9	ND	ND	ND
Dioxobis(stearato)trilead Δ	12578-12-0	ND	ND	ND
Fatty acids, C16-18, lead salts Δ	91031-62-8	ND	ND	ND
Lead cyanamate Δ	20837-86-9	ND	ND	ND
Lead dinitrate Δ	10099-74-8	ND	ND	ND
Pentalead tetraoxide sulphate Δ	12065-90-6	ND	ND	ND
Pyrochlore, antimony lead yellow Δ	8012-00-8	ND	ND	ND
Sulfurous acid, lead salt, dibasic Δ	62229-08-7	ND	ND	ND
Tetraethyllead Δ	78-00-2	ND	ND	ND
Tetralead trioxide sulphate Δ	12202-17-4	ND	ND	ND
Trilead dioxide phosphonate Δ	12141-20-7	ND	ND	ND
Furan	110-00-9	ND	ND	ND
Diethyl sulphate	64-67-5	ND	ND	ND
Dimethyl sulphate	77-78-1	ND	ND	ND
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	ND	ND	ND
Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	ND	ND	ND
4,4'-methylenedi-o-toluidine	838-88-0	ND	ND	ND
4,4'-oxydianiline and its salts	101-80-4	ND	ND	ND
4-aminoazobenzene	60-09-3	ND	ND	ND
4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	ND	ND	ND
6-methoxy-m-toluidine (p-cresidine)	120-71-8	ND	ND	ND
Biphenyl-4-ylamine	92-67-1	ND	ND	ND
o-aminoazotoluene [(4-o-tolylazo-o-toluidine)]	97-56-3	ND	ND	ND
o-toluidine	95-53-4	ND	ND	ND
N-methylacetamide	79-16-3	ND	ND	ND

(i) The ninth List (6 SVHC Release in Jun, 2013)

Chemical Substance	CAS No.	Results % (w/w)		
		(A)	(B)	(C)
Cadmium Δ	7440-43-9	ND	ND	ND

Tests Conducted (As Requested By The Applicant)

Cadmium oxide Δ	1306-19-0	ND	ND	ND
Dipentyl phthalate (DPP)	131-18-0	ND	ND	ND
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]	--	ND	ND	ND
Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	ND	ND	ND
Pentadecafluorooctanoic acid (PFOA)	335-67-1	ND	ND	ND

(j) The tenth List (7 SVHC Release in Dec, 2013)

Chemical Substance	CAS No.	Results % (w/w)		
		(A)	(B)	(C)
Cadmium sulphide Δ	1306-23-6	ND	ND	ND
Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	ND	ND	ND
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	ND	ND	ND
Dihexyl phthalate (DnHP)	84-75-3	ND	ND	ND
Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	ND	ND	ND
Lead di(acetate) Δ	301-04-2	ND	ND	ND
Trixylyl phosphate	25155-23-1	ND	ND	ND

(k) The eleventh List (4 SVHC Release in Jun, 2014)

Chemical Substance	CAS No.	Results % (w/w)		
		(A)	(B)	(C)
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear (Diisohexyl phthalate(DIHP))	68515-50-4	ND	ND	ND
Cadmium chloride Δ	10108-64-2	ND	ND	ND

Tests Conducted (As Requested By The Applicant)

Sodium perborate; Perboric acid, sodium salt Δ	--	ND	ND	ND
Sodium peroxometaborate Δ	7632-04-4	ND	ND	ND

(I) The twelfth List (6 SVHC Release in December, 2014)

Chemical Substance	CAS No.	Results % (w/w)		
		(A)	(B)	(C)
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	ND	ND	ND
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	ND	ND	ND
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	ND	ND	ND
Cadmium fluoride Δ	7790-79-6	ND	ND	ND
Cadmium sulphate Δ	10124-36-4; 31119-53-6	ND	ND	ND
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)	--	ND	ND	ND

SVHC = Substance Of Very High Concern
 ND = Not Detected (The Result Is Less Than The Reporting Limit)
 Δ = Determination Was Based On Elemental Analysis. The Content Was Calculated Based On Assumption Of Worst-Case.

Tests Conducted (As Requested By The Applicant)
 (II) Testing Methods of SVHC

(a) The First List (15 SVHC Released in Oct, 2008)

Chemical Substance	Method	Reporting limit(%)
		Whole product
Cobalt Dichloride	By microwave digestion and determined by ICP-OES, further combustion and IC confirmation when necessary	0.050
Diarsenic Pentaoxide	By microwave digestion and determined by ICP-OES	0.050
Diarsenic Trioxide		0.050
Lead Hydrogen Arsenate		0.050
Bis(Tributyltin) Oxide (TBTO)		0.050
Triethyl Arsenate		0.050
Sodium Dichromate	By microwave digestion and determined by ICP-OES, further solvent extraction and UV-VIS confirmation when necessary	0.050
Anthracene	By solvent extraction and determined by GC-MSD	0.050
4,4'-Diaminodiphenylmethane (MDA)		0.050
Hexabromocyclododecane (HBCDD)		0.050
5-Tert-Butyl-2,4,6-Trinitro-m-Xylene (Musk Xylene)		0.050
Bis(2-Ethylhexyl) Phthalate (DEHP)		0.050
Dibutyl Phthalate (DBP)		0.050
Benzyl Butyl Phthalate (BBP)		0.050
Short Chain Chlorinated Paraffins (C ₁₀₋₁₃)		0.050

(b) The Second List (13 SVHC Released in Jan, 2010 and Mar, 2010)

Chemical Substance	Method	Reporting limit(%)
		Whole product
Lead Chromate	By microwave digestion and determined by ICP-OES, further solvent extraction and UV-VIS confirmation when necessary	0.050
Lead Chromate Molybdate Sulphate Red (C.I. Pigment Red 104)		0.050
Lead Sulfochromate Yellow (C.I. Pigment Yellow 34)		0.050
Tris (2-Chloroethyl) Phosphate	By solvent extraction and determined by GC-MSD	0.050
2,4-Dinitrotoluene		0.050
Diisobutyl Phthalate (DIBP)		0.050
Coal Tar Pitch, High Temperature		0.050
Anthracene Oil		0.050
Anthracene Oil, Anthracene Paste, Distr. Lights		0.050

Tests Conducted (As Requested By The Applicant)

Anthracene Oil, Anthracene Paste, Anthracene Fraction		0.050
Anthracene Oil, Anthracene-low		0.050
Anthracene Oil, Anthracene paste		0.050
Acrylamide		0.050

(c) The Third List (8 SVHC Released in Jun, 2010)

<u>Chemical Substance</u>	<u>Method</u>	<u>Reporting limit(%)</u>
		<u>Whole product</u>
Boric Acid	By microwave digestion and determined by ICP-OES	0.050
Disodium Tetraborate, Anhydrous		0.050
Tetraboron Disodium Heptaoxide, Hydrate		0.050
Sodium Chromate	By microwave digestion and determined by ICP-OES, further solvent extraction and UV-VIS confirmation when necessary	0.050
Potassium Chromate		0.050
Ammonium Dichromate		0.050
Potassium Dichromate		0.050
Trichloroethylene	By solvent extraction and determined by GC-MSD	0.050

(d) The Fourth List (8 SVHC Released in Dec, 2010)

<u>Chemical Substance</u>	<u>Method</u>	<u>Reporting limit(%)</u>
		<u>Whole product</u>
2-Methoxyethanol	By solvent extraction and determined by GC-MSD	0.050
2-Ethoxyethanol		0.050
Cobalt Sulphate	By microwave digestion and determined by ICP-OES	0.050
Cobalt Dinitrate		0.050
Cobalt Carbonate		0.050
Cobalt Diacetate		0.050
Chromium Trioxide	By microwave digestion and determined by ICP-OES, further solvent extraction and UV-VIS confirmation when necessary	0.050
Chromic Acid		0.050
Dichromic Acid		
Oligomers Of Chromic Acid And Dichromic Acid		

(e) The Fifth List (7 SVHC Released in Jun, 2011)

<u>Chemical Substance</u>	<u>Method</u>	<u>Reporting limit(%)</u>
		<u>Whole product</u>
Strontium Chromate	By microwave digestion and determined by ICP-OES, further solvent extraction and UV-VIS confirmation when necessary	0.050



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Tests Conducted (As Requested By The Applicant)

2-ethoxyethyl acetate (2-EEA)	By solvent extraction and determined by GC-MSD	0.050
1,2-Benzenedicarboxylic acid, di-C ₇₋₁₁ -branched and linear alkyl esters (DHNUP)		0.050
Hydrazine		0.050
1-methyl-2-pyrrolidone		0.050
1,2,3-trichloropropane		0.050
1,2-Benzenedicarboxylic acid, di-C ₆₋₈ -branched alkyl esters, C ₇ -rich (DIHP)		0.050

Tests Conducted (As Requested By The Applicant)

(f) The Sixth List (20 SVHC Released in Dec, 2011)

<u>Chemical Substance</u>	<u>Method</u>	<u>Reporting limit(%)</u>	
		<u>Whole product</u>	
Pentazinc chromate octahydroxide	By microwave digestion and determined by ICP-OES, further solvent extraction and UV-VIS confirmation when necessary	0.050	
Potassium hydroxyoctaoxodizincate di-chromate		0.050	
Dichromium tris(chromate)		0.050	
Lead dipicrate	By microwave digestion and determined by ICP-OES	0.050	
Lead azide; Lead diazide		0.050	
Trilead diarsenate		0.050	
Calcium arsenate		0.050	
Lead styphnate		0.050	
Arsenic acid		0.050	
Aluminosilicate Refractory Ceramic Fibres		0.050	
Zirconia Aluminosilicate Refractory Ceramic Fibres		0.050	
2,2'-dichloro-4,4'-methylenedianiline (MOCA)		By solvent extraction and determined by GC-MSD	0.050
N,N-dimethylacetamide (DMAC)			0.050
Bis(2-methoxyethyl) ether	0.050		
1,2-Dichloroethane	0.050		
4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	0.050		
Bis(2-methoxyethyl) phthalate (DMEP)	0.050		
Formaldehyde, oligomeric reaction products with aniline (technical MDA)	0.050		
Phenolphthalein	0.050		
2-Methoxyaniline; o-Anisidine	0.050		

(g) The Seventh List (13 SVHC Released in Jun, 2012)

<u>Chemical Substance</u>	<u>Method</u>	<u>Reporting limit(%)</u>
		<u>Whole product</u>
Diboron trioxide	By microwave digestion and determined by ICP-OES	0.050
Lead(II) bis(methanesulfonate)		0.050
1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	By solvent extraction and determined by GC-MSD	0.050
1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)		0.050
Formamide		0.050
TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)		0.050
		0.050

Tests Conducted (As Requested By The Applicant)

β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)		0.050
4,4'-bis(dimethylamino)benzophenone (Michler's ketone)		0.050
N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)		0.050
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]		0.050
α,α-Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]		0.050
[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	By solvent extraction and determined by LC-MS/MS	0.050
[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]		0.050

(h) The Eighth List (54 SVHC Release in Dec, 2012)

Chemical Substance	Method	Reporting limit(%)
		Whole product
Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	By solvent extraction and determined by GC-MS	0.050
Pentacosfluorotridecanoic acid	By solvent extraction and determined by LC-MS/MS	0.050
Tricosfluorododecanoic acid		0.050
Henicosfluoroundecanoic acid		0.050
Heptacosfluorotetradecanoic acid		0.050
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	By solvent extraction and determined by HPLC-DAD	0.050

Tests Conducted (As Requested By The Applicant)

Cyclohexane-1,2-dicarboxylic anhydride [1] cis-cyclohexane-1,2-dicarboxylic anhydride [2] trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry].		0.050
Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	By solvent extraction and determined by GC-MSD	0.050
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]		0.050
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	By solvent extraction and determined by LC-MS/MS	0.050
Methoxyacetic acid		0.050
Dibutyltin dichloride (DBTC)	By microwave digestion and determined by ICP-OES	0.050
Lead monoxide (Lead oxide)		0.050

Tests Conducted (As Requested By The Applicant)

Orange lead (Lead tetroxide)		0.050
Lead bis(tetrafluoroborate)		0.050
Trilead bis(carbonate)dihydroxide		0.050
Lead titanium trioxide		0.050
Lead titanium zirconium oxide		0.050
Silicic acid, lead salt		0.050
Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]		0.050
N,N-dimethylformamide	By solvent extraction and determined by GC-MSD	0.050
1-bromopropane (n-propyl bromide)		0.050
Methyloxirane (Propylene oxide)		0.050
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear		0.050
Diisopentylphthalate (DIPP)		0.050
N-pentyl-isopentylphthalate		0.050
1,2-diethoxyethane		0.050
Acetic acid, lead salt, basic	By microwave digestion and determined by ICP-OES	0.050
Lead oxide sulfate		0.050
[Phthalato(2-)]dioxotrilead		0.050
Dioxobis(stearato)trilead		0.050
Fatty acids, C16-18, lead salts		0.050
Lead cyanamate		0.050
Lead dinitrate		0.050
Pentalead tetraoxide sulphate		0.050
Pyrochlore, antimony lead yellow		0.050
Sulfurous acid, lead salt, dibasic		0.050
Tetraethyllead		0.050
Tetralead trioxide sulphate		0.050
Trilead dioxide phosphonate		0.050
Furan	By solvent extraction and determined by GC-MSD	0.050
Diethyl sulphate		0.050
Dimethyl sulphate		0.050
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine		0.050
Dinoseb (6-sec-butyl-2,4-dinitrophenol)		0.050
4,4'-methylenedi-o-toluidine		0.050
4,4'-oxydianiline and its salts		0.050
4-aminoazobenzene		0.050
4-methyl-m-phenylenediamine (toluene-	0.050	



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Tests Conducted (As Requested By The Applicant)

6-methoxy-m-toluidine (p-cresidine)		0.050
Biphenyl-4-ylamine		0.050
o-aminoazotoluene [(4-o-tolylazo-o-		0.050
o-toluidine		0.050
N-methylacetamide		0.050

Tests Conducted (As Requested By The Applicant)

(i) The Ninth List (6 SVHC Release in Jun, 2013)

Chemical Substance	Method	Reporting limit(%)
		Whole product
Cadmium Δ	By microwave digestion and determined by ICP-OES	0.050
Cadmium oxide Δ		0.050
Dipentyl phthalate (DPP)	By solvent extraction and determined by GC-MSD	0.050
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]	By solvent extraction and determined by LC-MS/MS	0.050
Ammonium pentadecafluorooctanoate (APFO)		0.050
Pentadecafluorooctanoic acid (PFOA)		0.050

(j) The Tenth List (7 SVHC Release in Dec, 2013)

Chemical Substance	Method	Reporting limit(%)
		Whole product
Cadmium sulphide Δ	By microwave digestion and determined by ICP-OES	0.050
Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	By solvent extraction and determined by LC-MS/MS	0.050
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)		0.050
Dihexyl phthalate (DHP)	By solvent extraction and determined by GC-MSD	0.050
Imidazolidine-2-thione (2-imidazoline-2-thiol)		0.050

Tests Conducted (As Requested By The Applicant)

Lead di(acetate) Δ	By microwave digestion and determined by ICP-OES	0.050
Trixylyl phosphate	By solvent extraction and determined by GC-MSD	0.050

(k) The Eleventh List (4 SVHC Release in Jun, 2014)

<u>Chemical Substance</u>	<u>Method</u>	<u>Reporting limit(%)</u>
		<u>Whole product</u>
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear (Diisohexyl phthalate(DIHP))	By solvent extraction and determined by GC-MSD	0.050
Cadmium chloride	By microwave digestion and determined by ICP-OES	0.050
Sodium perborate; perboric acid, sodium salt		0.050
Sodium peroxometaborate		0.050

(l) The Twelfth List (6 SVHC Release in December, 2014)

<u>Chemical Substance</u>	<u>Method</u>	<u>Reporting limit(%)</u>
		<u>Whole product</u>
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	By solvent extraction and determined by GC-MSD	0.050
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)		0.050
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	By microwave digestion and determined by ICP-OES and by solvent extraction and determined by GC-MSD when necessary	0.050
Cadmium fluorideΔ	By microwave digestion and determined by ICP-OES	0.050
Cadmium sulphateΔ		0.050

Tests Conducted (As Requested By The Applicant)

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)	By microwave digestion and determined by ICP-OES and by solvent extraction and determined by GC-MSD when necessary	0.050
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Reporting limit = Quantitation Limit Of Analyte In Sample

Tests Conducted (As Requested By The Applicant)

REACH Requirement:

As Per Article 33(1) Of Regulation (EC) No. 1907/2006 (REACH), Recipients Of Product Must Be Provided With Information Of Safe Use If Any Of The Tested Substances (SVHC) Exceeded 0.1% (w/w). A Product Meets The Requirement Of Article 33(1) By Default When No SVHC Exceeds 0.1% (w/w).

Date Sample Received: Jan 23, 2015

Testing Period: Jan 23, 2015 To Jan 30, 2015

Summary:

According To Specified Test Processes In This Report, Content Of 161 Substances Of Very High Concern (SVHC) In Candidate List Promulgated By European Chemicals Agency (ECHA), Which Are Defined In Article 57 Of Regulation (EC) No. 1907/2006 (REACH Regulation), Are Less Than 0.1% (w/w) In Submitted Sample.

Tests Conducted (As Requested By The Applicant)

Photo



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