DEKRA

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Date 24.02.2014

Test Report No.: 55247128-1/14
Project No.: 55247128

Client:	Irina Antonets Ecopolymery LLC Lenin st. 1, pgt. Oboukhovo Moscow reg., 142440 Russia
Date of order:	Feb 3, 2014
Sample received:	Feb 3, 2014
Article description:	EVA foam
Scope of investigation:	Screening on selected REACH-SVHC-Substances (according to DEKRA risk assessment)
Result:	None of the analysed REACH-SVHC-Substances (see table on page 2 – 6) were found in a concentration above 0.1 %; therefore the threshold values according to Regulation 1907/2006 article 33 (December 16th, 2013) for these REACH-SVHC-Substances are not exceeded.
Testing period:	03.02.2014 - 24.02.2014

Test result:

- see following pages -

Akkreditiertes Analyselabor D-PL-11060-03-00 in Stuttgart und Halle (Saale)
CPSC Identification Number for DEKRA Automobil Laboratory Services: 1236

Summary and assessment:
The here tested SVHC-Substances do not exceed the threshold values according to the SVHC-list of the REACH-guideline (December 16th, 2013).

No.	Name of the compound	CAS	Result	Limit
1	2,4-Dinitrotoluene	121-14-2	< 0.1%	0.1%
2	2-Ethoxyethanol	110-80-5	< 0.1%	0.1%
3	2-Methoxyethanol	109-86-4	< 0.1%	0.1%
4	4,4'- Diaminodiphenylmethane (MDA)	101-77-9	< 0.1%	0.1%
5	Musk xylene	81-15-2	n.a.	0.1%
6	Acrylamide	79-06-1	< 0.1%	0.1%
7	Alkanes, C 10 – C 13, chloro-	85535-84-8	< 0.1%	0.1%
8	Aluminosilicate refractory ceramic fibres [(a)]	-	n.a.	0.1%
9	Ammonium dichromate	05.09.7789	< 0.1%	0.1%
10	Anthracene	120-12-7	< 0.1%	0.1%
11	Anthracene oil	90640-80-5	< 0.1% [1)]	0.1%
12	Anthracene oil, anthracene paste	90640-81-6	< 0.1% [1)]	0.1%
13	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	< 0.1% [1)]	0.1%
14	Anthracene oil, anthracene paste, distn.lights	91995-17-4	< 0.1% [1)]	0.1%
15	Anthracene oil, anthracene-low	90640-82-7	< 0.1% [1)]	0.1%
16	Benzyl butyl phthalate (BBP)	85-68-7	< 0.1%	0.1%
17	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	< 0.1%	0.1%
18	Bis(tributyltin)oxide (TBTO)	56-35-9	< 0.1%	0.1%
19	Boric acid	10043-35-3 11113-50-1	< 0.1%	0.1%
20	Chromic and Dichromic acid, oligomers of chromic and dichromic acid	7738-94-5 13530-68-2	< 0.1%	0.1%
21	Chromium trioxide	1333-82-0	< 0.1%	0.1%
22	Cobalt dichloride	7646-79-9	< 0.1%	0.1%
23	Cobalt carbonate	513-79-1	< 0.1%	0.1%
24	Cobalt diacetate	71-48-7	< 0.1%	0.1%
25	Cobalt dinitrate	10141-05-6	< 0.1%	0.1%
26	Cobalt sulphate	10124-43-3	< 0.1%	0.1%
27	Diarsenic pentaoxide	1303-28-2	< 0.1%	0.1%
28	Diarsenic trioxide	1327-53-3	< 0.1%	0.1%
29	Dibutyl phthalate (DBP)	84-74-2	< 0.1%	0.1%
30	Diisobutyl phthalate (DiBP)	84-69-5	< 0.1%	0.1%
31	Disodium tetraborate, anhydrous pentahydrate decahydrate	1330-43-4 12179-04-3 1303-96-4	< 0.1% < 0.1% < 0.1%	0.1% 0.1% 0.1%
32	Hexabromocyclododecane (HBCDD)	25637-99-4 (*)	< 0.1%	0.1%
33	Lead chromate	7758-97-6	< 0.1%	0.1%
34	Lead chromate molybdate sulphate red	12656-85-8	< 0.1%	0.1%
35	Lead hydrogene arsenate	7784-40-9	< 0.1%	0.1%

LQ: Limit of quantification; < LQ: test result below limit of quantification

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36	Lead sulphochromate yellow	1344-37-2	< 0.1%	0.1%
37	Pitch, coal tar, high temp.	-	n.a.	0.1%
38	Potassium chromate	7789-00-6	< 0.1%	0.1%
39	Potassium dichromate	7778-50-9	< 0.1%	0.1%
40	Sodium chromate	03.11.7775	< 0.1%	0.1%
41	Sodium dichromate	7789-12-0 / 10588-01-9	< 0.1%	0.1%
42	Tetraboron disodium heptaoxide, hydrate	12267-73-1	< 0.1%[2)]	0.1%
43	Trichlorethylene	79-01-6	< 0.1%	0.1%
44	Triethyl arsenate	15606-95-8	< 0.1%	0.1%
45	Tris(2-chlorethyl)phosphate (TCEP)	115-96-8	< 0.1%	0.1%
46	Zirconia Aluminosilicate refractory ceramic fibres [(b)]	-	n.a.	0.1%
47	2-Ethoxyethyl acetate	111-15-9	< 0.1%	0.1%
48	1,2,3-Trichloropropane	96-18-4	< 0.1%	0.1%
49	1-Methyl-2-pyrrolidone	872-50-4	< 0.1%	0.1%
50	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	< 0.1%	0.1%
51	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	< 0.1%	0.1%
52	Strontium chromate	02.06.7789	< 0.1%	0.1%
53	Hydrazine	7803-57-8/ 302-01-2	n.a.	0.1%
54	Lead styphnate	15245-44-0	< 0.1%	0.1%
55	Lead diazide, Lead azide	13424-46-9	< 0.1%	0.1%
56	Lead dipicrate	6477-64-1	< 0.1%	0.1%
57	Phenolphthalein	77-09-8	n.a.	0.1%
58	2,2'-Dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	< 0.1%	0.1%
59	N,N-dimethylacetamide (DMAC)	127-19-5	< 0.1%	0.1%
60	Trilead diarsenate	3687-31-8	< 0.1%	0.1%
61	Calcium arsenate	7778-44-1	< 0.1%	0.1%
62	Arsenic acid	7778-39-4	< 0.1%	0.1%
63	Bis(2-methoxyethyl) ether (Diglyme)	111-96-6	< 0.1%	0.1%
64	1,2-Dichloroethane	107-06-2	< 0.1%	0.1%
65	4-(1,1,3,3-Tetramethylbutyl)phenol; 4-tert-octyl phenol (Octylphenol)	140-66-9	< 0.1%	0.1%
66	2-Methoxyaniline; o-Anisidine (Anisidine)	90-04-0	< 0.1%	0.1%
67	Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	< 0.1%	0.1%
68	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	< 0.1%	0.1%
69	Pentazinc chromate octahydroxide	49663-84-5	< 0.1%	0.1%
70	Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	< 0.1%	0.1%
71	Dichromium tris(chromate)	24613-89-6	< 0.1%	0.1%
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	< 0.1%	0.1%
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	< 0.1%	0.1%
74	4,4'-bis(dimethylamino)-4"-(methylamino)trityl alcohol	561-41-1	< 0.1%[3)]	0.1%
75	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	< 0.1%	0.1%

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76	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9	< 0.1%[3)]	0.1%
77	[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	< 0.1%[3)]	0.1%
78	Diboron trioxide	1303-86-2	< 0.1%	0.1%
79	Formamide	75-12-7	< 0.1%	0.1%
80	Lead(II) bis(methanesulfonate)	17570-76-2	< 0.1%	0.1%
81	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	< 0.1%	0.1%
82	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	n.a.	0.1%
83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	< 0.1%[3)]	0.1%
84	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	n.a.	0.1%
85	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	< 0.1%	0.1%
86	Pentacosafluorotridecanoic acid	72629-94-8	n.a.	0.1%
87	Tricosafluorododecanoic acid	307-55-1	n.a.	0.1%
88	Henicosafluoroundecanoic acid	2058-94-8	n.a.	0.1%
89	Heptacosafluorotetradecanoic acid	376-06-7	n.a.	0.1%
90	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	n.a.	0.1%
91	Cyclohexane-1,2-dicarboxylic anhydride [1] cis-cyclohexane-1,2-dicarboxylic anhydride [2] trans-cyclohexane-1,2-dicarboxylic anhydride [3] [(c)]	85-42-7, 13149-00-3, 14166-21-3	< 0.1%	0.1%
92	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [(d)]	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	< 0.1%	0.1%
93	4-Nonylphenol, branched and linear [(e)]	-	< 0.1%	0.1%
94	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [(f)]	-	< 0.1%	0.1%
95	Methoxyacetic acid	625-45-6	n.a.	0.1%
96	N,N-dimethylformamide	68-12-2	n.a.	0.1%
97	Dibutyltin dichloride (DBTC)	683-18-1	< 0.1%	0.1%
98	Lead monoxide (Lead oxide)	1317-36-8	< 0.1%	0.1%
99	Orange lead (Lead tetroxide)	1314-41-6	< 0.1%	0.1%
100	Lead bis(tetrafluoroborate)	13814-96-5	< 0.1%	0.1%
101	Trilead bis(carbonate)dihydroxide	1319-46-6	< 0.1%	0.1%
102	Lead titanium trioxide	12060-00-3	< 0.1%	0.1%
103	Lead titanium zirconium oxide	12626-81-2	< 0.1%	0.1%
104	Silicic acid, lead salt	11120-22-2	< 0.1%	0.1%
105	Silicic acid ($H_2Si_2O_5$), barium salt (1:1), lead-doped [(g)]	68784-75-8	< 0.1%	0.1%
106	1-bromopropane (n-propyl bromide)	106-94-5	< 0.1%	0.1%
107	Methyloxirane (Propylene oxide)	75-56-9	n.a.	0.1%
108	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	< 0.1%	0.1%
109	Diisopentylphthalate (DIPP)	605-50-5	< 0.1%	0.1%
110	N-pentyl-isopentylphthalate	776297-69-9	< 0.1%	0.1%
111	1,2-diethoxyethane	629-14-1	n.a.	0.1%
112	Acetic acid, lead salt, basic	51404-69-4	< 0.1%	0.1%

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113	Lead oxide sulfate	12036-76-9	< 0.1%	0.1%
114	[Phthalato(2-)]dioxotrilead	69011-06-9	< 0.1%	0.1%
115	Dioxobis(stearato)trilead	12578-12-0	< 0.1%	0.1%
116	Fatty acids, C16-18, lead salts	91031-62-8	< 0.1%	0.1%
117	Lead cynamidate	20837-86-9	< 0.1%	0.1%
118	Lead dinitrate	10099-74-8	< 0.1%	0.1%
119	Pentalead tetraoxide sulphate	12065-90-6	< 0.1%	0.1%
120	Pyrochlore, antimony lead yellow	8012-00-8	< 0.1%	0.1%
121	Sulfurous acid, lead salt, dibasic	62229-08-7	< 0.1%	0.1%
122	Tetraethyllead	78-00-2	< 0.1%	0.1%
123	Tetralead trioxide sulphate	12202-17-4	< 0.1%	0.1%
124	Trilead dioxide phosphonate	12141-20-7	< 0.1%	0.1%
125	Furan	110-00-9	n.a.	0.1%
126	Diethyl sulphate	64-67-5	n.a.	0.1%
127	Dimethyl sulphate	77-78-1	n.a.	0.1%
128	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	n.a.	0.1%
129	Dinoseb (6-*sec*-butyl-2,4-dinitrophenol)	88-85-7	n.a.	0.1%
130	4,4'-methylenedi-*o*-toluidine	838-88-0	< 0.1%	0.1%
131	4,4'-oxydianiline and its salts	101-80-4	< 0.1%	0.1%
132	4-aminoazobenzene	60-09-3	< 0.1%	0.1%
133	4-methyl-*m*-phenylenediamine (toluene-2,4-diamine)	95-80-7	< 0.1%	0.1%
134	6-methoxy-*m*-toluidine (p-cresidine)	120-71-8	< 0.1%	0.1%
135	Biphenyl-4-ylamine	92-67-1	< 0.1%	0.1%
136	o-aminoazotoluene [(4-*o*-tolylazo-*o*-toluidine])	97-56-3	< 0.1%	0.1%
137	o-toluidine	95-53-4	< 0.1%	0.1%
138	N-methylacetamide	79-16-3	n.a.	0.1%
139	Pentadecafluorooctanoic acid (PFOA)	335-67-1	n.a.	0.1%
140	Cadmium oxide	1306-19-0	< 0.1%	0.1%
141	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	n.a.	0.1%
142	Cadmium	7440-43-9	< 0.1%	0.1%
143	4-Nonylphenol, branched and linear, ethoxylated [h)]	--	< 0.1%	0.1%
144	Dipentyl phthalate (DPP)	131-18-0	< 0.1%	0.1%
145	Cadmium sulphide	1306-23-6	< 0.1%	0.1%
146	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	n.a.	0.1%
147	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	n.a.	0.1%
148	Di-n-hexyl phthalate (DnHP)	84-75-3	< 0.1%	0.1%
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	n.a.	0.1%
150	Lead di(acetate)	301-04-2	< 0.1%	0.1%
151	Trixylyl phosphate	25155-23-1	< 0.1%	0.1%

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(n.a.: not analyzed; the test was not carried out because concerning the material it could be accepted that this SVHC-compound is not present)

a. oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges; fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm); alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight.
b. oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges; fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm);alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight.
c. [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].
d. [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]
e. [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]
f. [covering well-defined substances and UVCB substances, polymers and homologues]
g. [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]
h. 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.

(*) 25637-99-4, 3194-55-6 and all major diastereoisomers 134237-50-6, 134237-51-7, 134237-52-8

[1] analysed as Anthracene, Phenanthrene, Fluoranthene, Pyrene and Fluorene.
[2] value is depending on the number of hydration water in the substance; in the anhydrous form the amount has the smallest value and is increasing with the number of hydration water
[3] if the concentration of the impurities Michler's ketone or Michler's base is equal to or higher than 0.1%

Current ECHA-homepage (REACh-SVHCs):
http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp#download

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Sample no:	55247128001			
Sample designation:	Underlay for laminate			
Sample description:	Material			
Parameter	**Unit**	**Result**	**LQ**	**Test method**
REACH-SVHC-Substances Group 1 (Metals of Inorganic compounds)				
Arsen	mg/kg	< LQ	20	DIN EN ISO 11885 / QMA 2001.1498
Lead	mg/kg	< LQ	20	DIN EN ISO 11885 / QMA 2001.1498
Cobalt	mg/kg	< LQ	20	DIN EN ISO 11885 / QMA 2001.1498
Chromium	mg/kg	< LQ	20	DIN EN ISO 11885 / QMA 2001.1498
Tin	mg/kg	68	25	DIN EN ISO 11885 / QMA 2001.1498
Boron	mg/kg	< LQ	20	DIN EN ISO 11885 / QMA 2001.1498
Cadmium	mg/kg	< LQ	20	DIN EN ISO 11885 / QMA 2001.1498
REACH-SVHC-Substances Group 2 (organic compounds)				
1,2-Dichlorethan	mg/kg	< LQ	200	QMA 2001.1500 / GC-MS
Methoxyethanol	mg/kg	< LQ	200	QMA 2001.1500 / GC-MS
Trichlorethylen	mg/kg	< LQ	200	QMA 2001.1500 / GC-MS
1,2-Dimethoxyethan (EGDME)	mg/kg	< LQ	200	QMA 2001.1500 / GC-MS
Ethoxyethanol	mg/kg	< LQ	200	QMA 2001.1500 / GC-MS
Formamid	mg/kg	< LQ	200	QMA 2001.1500 / GC-MS
N,N-Dimethylacetamid (DMAC)	mg/kg	< LQ	200	QMA 2001.1500 / GC-MS
2-Ethoxyethylacetat	mg/kg	< LQ	200	QMA 2001.1500 / GC-MS
1,2,3-Trichlorpropan	mg/kg	< LQ	200	QMA 2001.1500 / GC-MS
Bis(2-methoxyethyl)ether	mg/kg	< LQ	200	QMA 2001.1500 / GC-MS
1-Methyl-2-Pyrrolidon	mg/kg	< LQ	200	QMA 2001.1500 / GC-MS
1,2-bis(2-Methoxyethoxy)ethan (TEGDME; triglyme)	mg/kg	< LQ	200	QMA 2001.1500 / GC-MS
1-Brompropan	mg/kg	< LQ	200	QMA 2001.1500 / GC-MS
Alkane, C10-C13 (Chloralkane)	mg/kg	< LQ	200	QMA 2001.1500 / GC-MS

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Diisobutylphthalat (DiBP)	mg/kg	< LQ	100	QMA 2001.1300 / GC-MS
Dibutylphthalat (DBP)	mg/kg	< LQ	100	QMA 2001.1300 / GC-MS
Bis(2-methoxyethyl)phthalate (DMEP)	mg/kg	< LQ	100	QMA 2001.1300 / GC-MS
Diisopentylphthalat (DIPP)	mg/kg	< LQ	100	QMA 2001.1300 / GC-MS
N-pentyl-Isopentylphthalat (PIPP)	mg/kg	< LQ	100	QMA 2001.1300 / GC-MS
Benzylbutylphthalat (BBP)	mg/kg	< LQ	100	QMA 2001.1300 / GC-MS
Bis(2-ethylhexyl)phthalat (DEHP)	mg/kg	< LQ	100	QMA 2001.1300 / GC-MS
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkylesters (DHNUP)	mg/kg	< LQ	200	QMA 2001.1300 / GC-MS
Diisoheptylphthalat (DIHP)	mg/kg	< LQ	200	QMA 2001.1300 / GC-MS
1,2-Benzendicarboxylic acid, dipentylester, branched and linear	mg/kg	< LQ	200	QMA 2001.1300 / GC-MS
Dipentyl phthalate (DPP)	mg/kg	< LQ	100	QMA 2001.1300 / GC-MS
Acrylamid	mg/kg	< LQ	100	QMA 2001.1495 / GC-MS
2,4`-Dinitrotoluol	mg/kg	< LQ	100	QMA 2001.1495 / GC-MS
Bis(tributyltin)oxid (TBTO)	mg/kg	< LQ	100	QMA 2001.1495 / GC-MS
Cyclohexan-1,2-Dicarboxylanhydrid	mg/kg	< LQ	100	QMA 2001.1495 / GC-MS
o-Anisidin (Anisidin)	mg/kg	< LQ	100	QMA 2001.1495 / GC-MS
Tris(2-chlorethyl-)phosphat (TCEP)	mg/kg	< LQ	100	QMA 2001.1495 / GC-MS
Hexyhydromethylphathalicanhydrid	mg/kg	< LQ	100	QMA 2001.1495 / GC-MS
4,4`-Diaminodiphenylmethan (MDA)	mg/kg	< LQ	100	QMA 2001.1495 / GC-MS
Technisches MDA	mg/kg	< LQ	100	QMA 2001.1495 / GC-MS
4-Nonylphenol, linear und verzweigt	mg/kg	< LQ	100	QMA 2001.1495 / GC-MS
4-tert-Octylphenol (Octylphenol)	mg/kg	< LQ	100	QMA 2001.1495 / GC-MS
4-(1,1,3,3-Tetramethylbutyl)phenol, ethoxyliert	mg/kg	< LQ	100	QMA 2001.1495 / GC-MS
4,4`-Methylendi-o-Toluidin	mg/kg	< LQ	100	QMA 2001.1495 / GC-MS
4,4`-Oxidanilin und Salze	mg/kg	< LQ	100	QMA 2001.1495 / GC-MS
N,N,N',N'-Tetramethyl-4,4'-Methylendianilin	mg/kg	< LQ	100	QMA 2001.1495 / GC-MS
4,4'-bis(Dimethylamino)benzophenon	mg/kg	< LQ	100	QMA 2001.1495 / GC-MS
Hexabromcyclododekan (HBCDD)	mg/kg	< LQ	100	QMA 2001.1495 / GC-MS
4-Methyl-m-Phenylendiamin	mg/kg	< LQ	100	QMA 2001.1495 / GC-MS
Acenaphthylen	mg/kg	< LQ	100	QMA 2001.1495 / GC-MS
Anthracen	mg/kg	< LQ	100	QMA 2001.1495 / GC-MS

LQ: Limit of quantification; < LQ: test result below limit of quantification

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Phenanthren	mg/kg	< LQ	100	QMA 2001.1495 / GC-MS
Fluoranthen	mg/kg	< LQ	100	QMA 2001.1495 / GC-MS
Pyren	mg/kg	< LQ	100	QMA 2001.1495 / GC-MS
Fluoren	mg/kg	< LQ	100	QMA 2001.1495 / GC-MS
Carbazol	mg/kg	< LQ	100	QMA 2001.1495 / GC-MS
Acenaphthen	mg/kg	< LQ	100	QMA 2001.1495 / GC-MS
Dibutyltin dichloride (DBTC)	mg/kg	< LQ	100	QMA 2001.1495 / GC-MS
Bis(pentylbromphenyl)ether	mg/kg	< LQ	100	QMA 2001.1495 / GC-MS
REACH-SVHC Substances Group 3 (Azodyes)				
4-Aminoazobenzol	mg/kg	< LQ	100	LMBG B 82.02-2
6-Methoxy-m-Toluidin	mg/kg	< LQ	100	LMBG B 82.02-2
Biphenyl-4-ylamin	mg/kg	< LQ	100	LMBG B 82.02-2
o-Aminoazotoluol	mg/kg	< LQ	100	LMBG B 82.02-2
o-Toluidin	mg/kg	< LQ	100	LMBG B 82.02-2

LQ: Limit of quantification; < LQ: test result below limit of quantification

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Comments on test results:

- As the content of **Boron** is below 100 mg/kg, none of the SVHC-compounds containing Boron (Boric acid, Disodium tetraborate anhydrous, Disodium tetraborate pentahydrate, Disodium tetraborate decahydrate) or Diborontrioxide could be present in a concentration above 0.1% in the product.

- As the content of **Tin** is below 350 mg/kg, or no Bis(tributyltin)oxide and Dibutyltin dichloride could be analysed, the SVHC-compounds Bis(tributyltin)oxide and Dibutyltin dichloride could not be present in a concentration above 0.1% in the product.

- As the content of **Arsenic** is below 150 mg/kg, none of the SVHC-compounds containing Arsenic (Triethyl arsenate, Diarsenic pentoxide, Diarsenic trioxide, Lead hydrogene arsenate, Trilead diarsenate, Calcium arsenate, Arsenic acid) could be present in a concentration above 0.1% in the product.

- As the content of **Lead** is below 250 mg/kg, none of the SVHC-compounds containing Lead (Lead chromate, Lead chromate molybdate sulphate red and Lead sulphochromate yellow, Lead diazide, Lead azide, Lead dipicrate, Trilead diarsenate, Lead styphnate, Lead(II) bis(methanesulfonate), 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 or Lead di(acetate)) could be present in a concentration above 0.1% in the product.

- As the content of **Hexavalent Chromium** is below 80 mg/kg, no Chromic and Dichromic acid and oligomers , Lead chromate, Chromic trioxide, Ammonium dichromate, Sodium dichromate, Sodium chromate, Potassium chromate, Potassium dichromate and Strontium chromate, Pentazinc chromate octahydroxide, Potassium hydroxyoctaoxodizincatedichromate, Dichromium tris(chromate) could be present in a concentration above 0.1% (above 1000 mg/kg) in the product.

- As the content of **Cobalt** is below 300 mg/kg none of the SVHC-compounds containing Cobalt (Cobalt dichloride, Cobalt(II) carbonate, Cobalt(II) diacetate, Cobalt(II) dinitrate, Cobalt(II) sulphate) could be present in a concentration above 0.1% in the product.

- As the content of **Cadmium** is below 700 mg/kg, none of the SVHC-compounds containing Cadmium (Cadmium, Cadmium oxide or Cadmium sulphide) could be present in a concentration above 0.1% in the product.

- As the amount (sum) of **Anthracene, Phenanthrene, Fluoranthene, Pyrene und Fluorene** is below 500 mg/kg, none of the PAH-containing REACH-SVHC-Substances (Anthracene oil; Anthracene oil, anthracene paste; Anthracene oil, anthracene paste, anthracene fraction; Anthracene oil, anthracene paste, distn.lights; Anthracene oil, anthracene-low) can be present in the product in a concentration above 0.1 %.

[1]Values are calculated as percentage of the total weight of the product

LQ: Limit of quantification; < LQ: test result below limit of quantification

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Hints:
The test results refer exclusively to the samples specified. A reproduction in excerpts of the test report must not be made without the written consent of the test laboratory. Samples will be stored according to QMV 5.8 for max. 6 months (for exceptions and specific storage times see QMV 5.8). An index number of the test report for the year code (e.g. /12) is a new version of the test report. In this case, this report replaces the report with the index decreased by 1 or the test report without indexing.

Stuttgart, February 24th 2014

DEKRA Automobil GmbH
Laboratory for Environmental and Product Analysis

Dr. Jessica Stäb
Project manager

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