

Maxwell Technologies, Inc.
3888 Calle Fortunada
San Diego, CA 92123

March 29th, 2017

RE: Large Cells Modules REACH Declaration

To Our Valued Customers:

The EU Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) Regulation (EC No. 1907/2006) entered into force on June 1, 2007, and will be fully implemented over an 11-year period. It seeks to manage the risks posed by chemicals and provide appropriate safety information to their users.

Maxwell Technologies, Inc., along with its affiliates, vendors and partners, supports the REACH objective of ensuring the protection of human health and the environment as well as the free movement of goods and works with our supply chain to meet our obligations under the regulation.

REACH treats articles (objects, such as electronic equipment) differently than chemicals and chemical mixtures. As of the date of this declaration, the products in Table 1 below, which are manufactured for sale and distribution by Maxwell, are not intended to release any of the REACH-regulated substances. Additionally, no regulated substance within these products exceeds the regulatory threshold of 0.1% by weight of the listed article. As such, Maxwell's primary obligation under REACH is communication of information about regulated substances in our products to users, in accordance with Article 33 of the regulation.

Table 1

BMOD0500P016C01	BMOD0500P016B02	BMOD0500P016B01	BMOD0165P048B09	BMOD0083 P048 B01
BMOD0165P048B06	BMOD0165P048C01	BMOD0189P051B2A	BMOD0130 P056 B03	BMOD0165 P048 C0B

The above statements are based upon one of the following techniques employed by Maxwell, its affiliates, vendors, or partners: certification at accredited test facilities; or through similarity in construction and materials used. REACH test report prepared for Maxwell by an accredited test facility is attached.

For additional questions or information, please contact your Maxwell Key Account Manager.



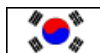
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Test Report No.: **317G0753.001**

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Client: **Maxwell Technologies**
 9244 Balboa Ave.
 San Diego, CA 92123 USA

Item(s) Description: **Large Cell Modules**

Identification/
 Model No(s): **BMOD0083 P048 B01 / BMOD0165 P048 BXX / BMOD0189 P051 B2A /
 BMOD0500 P016 B01 / BMOD0500 P016 B02 / BMOD0165 P048 C0B /
 BMOD0130 P056 B03 / BMOD0165 P048 C01**

Testing Laboratory: TUV Rheinland of North America
 2709 SE Otis Corley Dr., Suite 11 Bentonville, AR 72712

Sample Receiving date: 9 June 2016, 31 October 2016, 8 March 2017

Testing Period: 15 June 2016 – 20 March 2017

Test specification:
 Overall results according to tests performed

Test result:
 Please refer to pages 2 - 3

Customer Requirement:
 Risk Assessment of Articles: Screening of Substances of very high concern (SVHC) subject to authorisation (according to (EU) no. 143/2011 and (EU) no. 125/2012, Annex XIV of EC no. 1907/2006)

Substances of very high concern (SVHC) in candidate list, by European Chemical Agency (ECHA).

With reference to Corrigendum to Regulation (EC) no.1907/2006, concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Other Information:

Number of substances on the Candidate List: 173 (last updated: 12 JANUARY 2017)

For and on behalf of
 TÜV Rheinland of North America, Inc.




3/27/2017	Ashley Brown / Laboratory Technician	3/28/2017	Mark Smith / Lab Manager
Date	Name/Position	Date	Name/Position

Test result is drawn according to the kind and extent of tests performed.
 This test report exclusively refers to the samples examined. Without permission of the test centre this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.

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Test Results

Test Methods: In-house method - GC-MS/ECD, LC, ICP, XRF, photometry and visual fibre identification

Article	Article Name	SVHC % (W/W)
A001	48V Module	ND
A002	16V Module	ND
A003	51V Module	ND
A004	48V Bae Zion Module	ND
A005	56V Module	ND

Abbreviations: ND = All SVHC content was found to be <0.1% of the article

Associated Article(s)	Conclusion	Detected Substances (if any)
See summary above	<p>Acc. to authorisation list EU no. 143/2011 (Annex XIV of EC no. 1907/2006), and candidate list by ECHA, the detected SVHC concentration is:</p> <p><input checked="" type="checkbox"/> < 0.1% <input type="checkbox"/> > 0.1%</p> <p>Obligation of Importer: <input type="checkbox"/> Necessary <input checked="" type="checkbox"/> Not necessary (For article) To communicate information down the supply chain according to article. 33 of REACH. OR Notification to ECHA, if the quantities of SVHC in the produced/imported articles are above 1 ton in total per year per company. Provide sufficient information to ensure safe use of the article and, as a minimum, include the name of the substance, to their customers and on request to consumers within 45 days of the receipt of this request.</p> <p>(For preparation / preparation in special container) Provide a safety data sheet if the individual concentration is more than or equal to 0.1% (w/w) for non-gaseous preparations, and more than or equal to 0.2% by volume for gaseous preparations if at least one substance poses human health and/or environmental hazards, persistent, bioaccumulative and toxic or very persistent and very bioaccumulative.</p>	-- See Analyses results
	With reference to Corrigendum to Regulation (EC) no.1907/2006 and ECHA, this product is classified as: Article which does not contain substances released by the product under normal or reasonably foreseeable conditions of use	

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Analyses Results:

Material No.	Description	Detected Substances (1)
M001(a)	48V Hard Plastic, PCB, and Cables	The theoretical content of Boric acid = 0.066%, Disodium tetraborate, anhydrous = 0.055%, Diboron trioxide = 0.038%, Tetraboron disodium heptaoxide, hydrate = 0.061%, Sodium peroxometaborate = 0.119%, Sodium perborate = 0.134%
M002(a)	48V Capacitor Pads	None
M003(a)	48V Alloys	None
M004(a)	48V Additional Parts Submitted 2/26/16	None
M005(b)	16V Capacitor Pads	None
M006(b)	16V Plastics	The theoretical content of Boric acid = 0.072%, Disodium tetraborate, anhydrous = 0.059%, Diboron trioxide = 0.042%, Tetraboron disodium heptaoxide, hydrate = 0.066%, Sodium peroxometaborate = 0.129%, Sodium perborate = 0.145%
M007(b)	16V Alloys	None
M008(c)	51V Plastics	The theoretical content of Boric acid = 0.186%, Disodium tetraborate, anhydrous = 0.154%, Diboron trioxide = 0.108%, Tetraboron disodium heptaoxide, hydrate = 0.173%, Sodium peroxometaborate = 0.336%, Sodium perborate = 0.376%
M009(c)	51V Plastics	None
M010(c)	51V Alloys	None
M011	48V Bae Zion Insulators, PCB Support, O-Ring, Plug	4,4'-isopropylidenediphenol (Bisphenol A, BPA) = 0.026%
M012	48V Bae Zion Balancing Harness Plastics	None
M013	48V Bae Zion PCB Plastics	None
M014	48V Bae Zion Harness Plastics	None
M015	48V Bae Zion Alloys	None
M016(d)	56V PCB and Hard Plastics	None
M017(d)	56V Soft Plastics	Di(2-ethylhexyl)phthalate (DEHP) = 3.910% Tris(2-chloroethyl)phosphate = 0.021% The theoretical content of: Boric acid = 0.254%, Disodium tetraborate, anhydrous = 0.210%, Diboron trioxide = 0.147%, Tetraboron disodium heptaoxide, hydrate = 0.236%, Sodium peroxometaborate = 0.458%(e), Sodium perborate = 0.513%(e)

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- (a) Results referenced from TUV Report 316G0156.003 and updated to current SVHC list
- (b) Results referenced from TUV Report 316G0157.002 and updated to current SVHC list
- (c) Results referenced from TUV Report 316G1860.001 and updated to current SVHC list
- (d) Materials received 3/8/2017
- (e) Based on ECHA information, the theoretical presence in this sample type is assumed to be below 0.1%

Remarks (if applicable):

(1) SVHC content of the entire article(s) produced and/or imported is not above a concentration of 0.1% (w/w). Therefore the obligations per Article 33 of EC no. 1907/2006 are not required.

The theoretical content in an article is calculated for the mentioned SVHC substance(s). It is suggested to check the respective receipts if the theoretical content of the respective substance >0.1% in the weight of whole article.

Notes:

The material whose weight is <0.1% of the total weight in an article is neglected for testing.

The tested material(s) was screened only for selected SVHC substance(s). Selection of tests refers to the material type, application, amount and any additional product evaluation.

The SVHC substances which are not mentioned in the test result were either not subject to testing according to selection criteria or not detected.

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Attachment: SVHC Candidate List (Last Updated: January 12, 2017)

No.	Substance Name	EC Number	CAS Number	Date of Inclusion	Decision Number
1	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	247-148-4 and 221-095-9	25637-99-4, 3194-55-6 (134237-50-8) (134237-51-7) (134237-52-8)	10/28/2008	ED/67/2008
2	Anthracene	204-371-1	120-12-7	10/28/2008	ED/67/2008
3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85635-84-8	10/28/2008	ED/67/2008
4	4,4'- Diaminodiphenylmethane (MDA)	202-974-4	101-77-9	10/28/2008	ED/67/2008
5	Dibutyl phthalate (DBP)	201-557-4	84-74-2	10/28/2008	ED/67/2008
6	Sodium dichromate	234-190-3	7789-12-0, 10588-01-9	10/28/2008	ED/67/2008
7	Diarsenic pentaoxide	215-116-9	1303-28-2	10/28/2008	ED/67/2008
8	Triethyl arsenate	427-700-2	15606-95-8	10/28/2008	ED/67/2008
9	Diarsenic trioxide	215-481-4	1327-53-3	10/28/2008	ED/67/2008
10	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	201-329-4	81-15-2	10/28/2008	ED/67/2008
11	Bis(tributyltin)oxide (TBTO)	200-268-0	56-35-9	10/28/2008	ED/67/2008
12	Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7	10/28/2008	ED/67/2008
13	Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	10/28/2008	ED/67/2008
14	Lead hydrogen arsenate	232-064-2	7784-40-9	10/28/2008	ED/67/2008
15	Anthracene oil, anthracene paste, distn. lights	295-278-5	91995-17-4	1/13/2010	ED/68/2009
16	Pitch, coal tar, high temp.	266-028-2	65996-93-2	1/13/2010	ED/68/2009
17	Anthracene oil, anthracene paste	292-603-2	90640-81-6	1/13/2010	ED/68/2009
18	Lead chromate	231-846-0	7758-97-6	1/13/2010	ED/68/2009
19	Tris(2-chloroethyl)phosphate	204-118-5	115-96-8	1/13/2010	ED/68/2009
20	Diisobutyl phthalate	201-553-2	84-69-5	1/13/2010	ED/68/2009
21	Anthracene oil, anthracene-low	292-604-8	90640-82-7	1/13/2010	ED/68/2009
22	Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	1/13/2010	ED/68/2009
23	Anthracene oil	292-602-7	90640-80-5	1/13/2010	ED/68/2009
24	2,4-Dinitrotoluene	204-450-0	121-14-2	1/13/2010	ED/68/2009

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No.	Substance Name	EC Number	CAS Number	Date of Inclusion	Decision Number
25	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	12656-85-8	1/13/2010	ED/68/2009
26	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2	1/13/2010	ED/68/2009
27	Acrylamide	201-173-7	79-06-1	3/30/2010	ED/68/2009
28	Potassium chromate	232-140-5	7789-00-6	6/18/2010	ED/30/2010
29	Disodium tetraborate, anhydrous	215-540-4	1303-96-4, 1330-43-4, 12179-04-3	6/18/2010	ED/30/2010
30	Sodium chromate	231-889-5	2146108	6/18/2010	ED/30/2010
31	Ammonium dichromate	232-143-1	2151163	6/18/2010	ED/30/2010
32	Boric acid	233-139-2, 234-343-4	10043-35-3, 11113-50-1	6/18/2010	ED/30/2010
33	Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1	6/18/2010	ED/30/2010
34	Potassium dichromate	231-906-6	7778-50-9	6/18/2010	ED/30/2010
35	Trichloroethylene	201-167-4	79-01-6	6/18/2010	ED/30/2010
36	Cobalt(II) dinitrate	233-402-1	10141-05-6	12/15/2010	ED/95/2010
37	Cobalt(II) carbonate	208-169-4	513-79-1	12/15/2010	ED/95/2010
38	Chromium trioxide	215-607-8	1333-82-0	12/15/2010	ED/95/2010
39	2-Methoxyethanol	203-713-7	109-86-4	12/15/2010	ED/95/2010
40	Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid.	231-801-5, 236-881-5	7738-94-5, 13530-68-2	12/15/2010	ED/95/2010
41	Cobalt(II) sulphate	233-334-2	10124-43-3	12/15/2010	ED/95/2010
42	2-Ethoxyethanol	203-804-1	110-80-5	12/15/2010	ED/95/2010
43	Cobalt(II) diacetate	200-755-8	71-48-7	12/15/2010	ED/95/2010
44	Hydrazine	206-114-9	302-01-2, 7803-57-8	6/20/2011	ED/31/2011
45	2-Ethoxyethyl acetate	203-839-2	111-15-9	6/20/2011	ED/31/2011
46	1,2,3-Trichloropropane	202-486-1	96-18-4	6/20/2011	ED/31/2011

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No.	Substance Name	EC Number	CAS Number	Date of Inclusion	Decision Number
47	1-Methyl-2-pyrrolidone	212-828-1	872-50-4	6/20/2011	ED/31/2011
48	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4	6/20/2011	ED/31/2011
49	Strontium chromate	232-142-6	2151068	6/20/2011	ED/31/2011
50	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6	6/20/2011	ED/31/2011
51	Cobalt dichloride	231-589-4	7646-79-9	2011/06/20 - 2008/10/28	ED/31/2011 / ED/67/2008
52	2,2'-dichloro-4,4'-methylenedianiline	202-918-9	101-14-4	12/19/2011	ED/77/2011
53	Bis(2-methoxyethyl) ether	203-924-4	111-96-6	12/19/2011	ED/77/2011
54	Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and 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 (µm) c) alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight	-	-	12/19/2011	ED/77/2011/ED/95/2012
55	Trilead diarsenate	222-979-5	3687-31-8	12/19/2011	ED/77/2011
56	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	12/19/2011	ED/77/2011
57	Lead styphnate	239-290-0	15245-44-0	12/19/2011	ED/77/2011
58	Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4	12/19/2011	ED/77/2011
59	Potassium hydroxyoctaoxidizincatedichromate	234-329-8	11103-86-9	12/19/2011	ED/77/2011
60	Arsenic acid	231-901-9	7778-39-4	12/19/2011	ED/77/2011
61	Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and 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 (µm). c) alkaline	-	-	12/19/2011	ED/77/2011 / ED/95/2012

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No.	Substance Name	EC Number	CAS Number	Date of Inclusion	Decision Number
	oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight				
62	Pentazinc chromate octahydroxide	256-418-0	49863-84-5	12/19/2011	ED/77/2011
63	2-Methoxyaniline; o-Anisidine	201-963-1	90-04-0	12/19/2011	ED/77/2011
64	Dichromium tris(chromate)	246-356-2	24613-89-6	12/19/2011	ED/77/2011
65	Calcium arsenate	231-904-5	7778-44-1	12/19/2011	ED/77/2011
66	1,2-dichloroethane	203-458-1	107-06-2	12/19/2011	ED/77/2011
67	Lead dipicrate	229-335-2	6477-64-1	12/19/2011	ED/77/2011
68	Lead diazide, Lead azide	236-542-1	13424-46-9	12/19/2011	ED/77/2011
69	4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9	12/19/2011	ED/77/2011
70	N,N-dimethylacetamide	204-826-4	127-19-5	12/19/2011	ED/77/2011
71	Phenolphthalein	201-004-7	77-09-8	12/19/2011	ED/77/2011
72	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8	6/18/2012	ED/87/2012
73	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	6/18/2012	ED/87/2012
74	[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)]	219-943-6	2580-56-5	6/18/2012	ED/87/2012
75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	6/18/2012	ED/87/2012
76	[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)]	208-953-6	548-62-9	6/18/2012	ED/87/2012
77	Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2	6/18/2012	ED/87/2012
78	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)]	209-218-2	561-41-1	6/18/2012	ED/87/2012
79	Formamide	200-842-0	75-12-7	6/18/2012	ED/87/2012
80	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2	6/18/2012	ED/87/2012
81	Diboron trioxide	215-125-8	1303-86-2	6/18/2012	ED/87/2012
82	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1	6/18/2012	ED/87/2012
83	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (B-TGIC)	423-400-0	59653-74-6	6/18/2012	ED/87/2012
84	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)]	229-851-8	6786-83-0	6/18/2012	ED/87/2012

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No.	Substance Name	EC Number	CAS Number	Date of Inclusion	Decision Number
85	Lead cyanamidate	244-073-9	20837-86-9	12/19/2012	ED/169/2012
86	Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7	12/19/2012	ED/169/2012
87	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3	12/19/2012	ED/169/2012
88	4,4'-oxydianiline and its salts	202-977-0	101-80-4	12/19/2012	ED/169/2012
89	Orange lead (lead tetroxide)	215-235-6	1314-41-6	12/19/2012	ED/169/2012
90	Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	12/19/2012	ED/169/2012
91	Biphenyl-4-ylamine	202-177-1	92-67-1	12/19/2012	ED/169/2012
92	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0	12/19/2012	ED/169/2012
93	Diisopentylphthalate	210-088-4	605-50-5	12/19/2012	ED/169/2012
94	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7	12/19/2012	ED/169/2012
95	o-aminoazotoluene	202-591-2	97-56-3	12/19/2012	ED/169/2012
96	Trilead dioxide phosphonate	235-252-2	12141-20-7	12/19/2012	ED/169/2012
97	Methyloxirane (Propylene oxide)	200-879-2	75-56-9	12/19/2012	ED/169/2012
98	Methoxyacetic acid	210-894-6	625-45-6	12/19/2012	ED/169/2012
99	Pentacosafuorotridecanoic acid	276-745-2	72629-94-8	12/19/2012	ED/169/2012
100	Dioxobis(stearato)trilead	235-702-8	12578-12-0	12/19/2012	ED/169/2012
101	1-bromopropane (n-propyl bromide)	203-445-0	106-94-5	12/19/2012	ED/169/2012
102	Tricosafuorododecanoic acid	206-203-2	307-55-1	12/19/2012	ED/169/2012
103	Heptacosafuorotetradecanoic acid	206-803-4	376-06-7	12/19/2012	ED/169/2012
104	Pentalead tetraoxide sulphate	235-067-7	12065-90-6	12/19/2012	ED/169/2012
105	N-pentyl-isopentylphthalate	-	776297-69-9	12/19/2012	ED/169/2012
106	Tetraethyllead	201-075-4	78-00-2	12/19/2012	ED/169/2012
107	[Phthalato(2-)]dioxotrilead	273-888-5	69011-06-9	12/19/2012	ED/169/2012
108	Acetic acid, lead salt, basic	257-175-3	51404-69-4	12/19/2012	ED/169/2012
109	Tetralead trioxide sulphate	235-380-9	12202-17-4	12/19/2012	ED/169/2012
110	N-methylacetamide	201-182-6	79-16-3	12/19/2012	ED/169/2012
111	1,2-Diethoxyethane	211-076-1	629-14-1	12/19/2012	ED/169/2012
112	Dinoseb (8-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7	12/19/2012	ED/169/2012
113	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	214-604-9	1163-19-5	12/19/2012	ED/169/2012
114	Lead titanium trioxide	235-038-9	12060-00-3	12/19/2012	ED/169/2012
115	Lead oxide sulfate	234-853-7	12036-76-9	12/19/2012	ED/169/2012
116	Furan	203-727-3	110-00-9	12/19/2012	ED/169/2012
117	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	-	-	12/19/2012	ED/169/2012

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No.	Substance Name	EC Number	CAS Number	Date of Inclusion	Decision Number
	isomers or a combination thereof]				
118	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	-	12/19/2012	ED/169/2012
119	N,N-dimethylformamide	200-679-5	68-12-2	12/19/2012	ED/169/2012
120	Dimethyl sulphate	201-058-1	77-78-1	12/19/2012	ED/169/2012
121	Diethyl sulphate	200-589-6	64-67-5	12/19/2012	ED/169/2012
122	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	12/19/2012	ED/169/2012
123	Trilead bis(carbonate)dihydroxide	215-290-6	1319-46-6	12/19/2012	ED/169/2012
124	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]	272-271-5	68784-75-8	12/19/2012	ED/169/2012
125	Lead dinitrate	233-245-9	10099-74-8	12/19/2012	ED/169/2012
126	Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	12/19/2012	ED/169/2012
127	Dibutyltin dichloride (DBTC)	211-670-0	683-18-1	12/19/2012	ED/169/2012
128	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	12/19/2012	ED/169/2012
129	o-Toluidine	202-429-0	95-53-4	12/19/2012	ED/169/2012
130	Lead monoxide (lead oxide)	215-267-0	1317-36-8	12/19/2012	ED/169/2012
131	Lead titanium zirconium oxide	235-727-4	12626-81-2	12/19/2012	ED/169/2012
132	Silicic acid, lead salt	234-363-3	11120-22-2	12/19/2012	ED/169/2012
133	4-Aminoazobenzene	200-453-6	60-09-3	12/19/2012	ED/169/2012
134	Henicosaffluoroundecanoic acid	218-165-4	2058-94-8	12/19/2012	ED/169/2012
135	Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	12/19/2012	ED/169/2012
136	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]	201-604-9, 236-086-3, 238-009-9	85-42-7, 13149-00-3, 14166-21-3	12/19/2012	ED/169/2012
137	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	12/19/2012	ED/169/2012

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No.	Substance Name	EC Number	CAS Number	Date of Inclusion	Decision Number
138	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]	247-094-1, 243-072-0, 256-356-4, 260-566-1	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	12/19/2012	ED/169/2012
139	Cadmium oxide	215-146-2	1306-19-0	6/20/2013	ED/69/2013
140	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]	-	-	6/20/2013	ED/69/2013
141	Dipentyl phthalate (DPP)	205-017-9	131-18-0	6/20/2013	ED/69/2013
142	Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	6/20/2013	ED/69/2013
143	Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1	6/20/2013	ED/69/2013
144	Cadmium	231-152-8	7440-43-9	6/20/2013	ED/69/2013
145	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	209-358-4	573-58-0	12/16/2013	ED/121/2013
146	Dihexyl phthalate	201-559-5	84-75-3	12/16/2013	ED/121/2013
147	Lead di(acetate)	206-104-4	301-04-2	12/16/2013	ED/121/2013
148	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	202-506-9	96-45-7	12/16/2013	ED/121/2013
149	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)	217-710-3	1937-37-7	12/16/2013	ED/121/2013
150	Trixylyl phosphate	246-677-8	25155-23-1	12/16/2013	ED/121/2013
151	Cadmium sulphide	215-147-8	1306-23-6	12/16/2013	ED/121/2013
152	Cadmium chloride	233-296-7	10108-64-2	6/16/2014	ED/49/2014
153	Sodium peroxometaborate	231-556-4	7632-04-4	6/16/2014	ED/49/2014
154	Sodium perborate; perboric acid, sodium salt	239-172-9; 234-390-0	15120-21-5	6/16/2014	ED/49/2014
155	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4	6/16/2014	ED/49/2014
156	Cadmium fluoride	232-222-0	7790-79-6	2014/12/17	ED/108/2014

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No.	Substance Name	EC Number	CAS Number	Date of Inclusion	Decision Number
157	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)			2014/12/17	ED/108/2014
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	239-622-4	15571-58-1	2014/12/17	ED/108/2014
159	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7	2014/12/17	ED/108/2014
160	Cadmium sulphate	233-331-6	10124-36-4, 31119-53-6	2014/12/17	ED/108/2014
161	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	2014/12/17	ED/108/2014
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	271-094-0 272-013-1	68515-51-5 68648-93-1	2015/06/15	ED/39/2015
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]			2015/06/15	ED/39/2015
164	Perfluorononan-1-oi-c-acid and its sodium and ammonium salts	206-801-3	375-95-1 21049-39-8 4149-60-4	2015/12/17	ED/79/2015
165	Nitrobenzene	202-716-0	98-95-3	2015/12/17	ED/79/2015
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3	2015/12/17	ED/79/2015
167	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1	2015/12/17	ED/79/2015
168	1,3-propanesultone	214-317-9	1120-71-4	2015/12/17	ED/79/2015
169	Benzo[def]chrysene (Benzo[a]pyrene)	200-028-5	50-32-8	2016/6/20	ED/21/2016
170	p-(1,1-dimethylpropyl)phenol	221-280-9	80-46-6	2017/1/12	ED/01/2017
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts (Decanoic acid, nonadecafluoro-, sodium salt)	221-470-5 206-400-3	3830-45-3 3108-42-7 335-76-2	2017/1/12	ED/01/2017
172	4-heptylphenol, branched and linear			2017/1/12	ED/01/2017
173	4,4'-isopropylidenediphenol (BPA)	201-245-8	80-05-7	2017/1/12	ED/01/2017