

SAFEGUARDS

SGS CONSUMER TESTING SERVICES

HARDGOODS, TOYS & JUVENILE PRODUCTS, SOFTLINES, ELECTRICAL & ELECTRONICS

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54 POTENTIAL SVHCs WERE PLACED ON THE 2012 SECOND CONSULTATION LIST

On Sep 3 2012, the European Chemical Agency (ECHA) published the second Substances of Very High Concerns (SVHC) consultation list of this year. In order to fulfil the public commitment made by European Commissioners of 136 substances on the SVHC candidate list by the end of 2012, ECHA has taken an unprecedented large update and 54 proposals were added for consultation for the identification of SVHC candidates.¹ The consultation will last for 45 days until Oct 18 2012. Interested parties can submit their comments regarding the identification, further information related to use, exposure, alternatives as well as the risk of the proposed substances within this period.

THE POTENTIAL SVHCs

The [second SVHC consultation list in 2012](#) contains 54 substances. Among the 54 SVHCs, 17 substance dossiers were submitted by EU member states, the remaining 37 substances were proposed by ECHA by the end of August. If all 54 SVHCs are accepted, the SVHC candidate list will expand to contain 138 substances in total. Deviating from the last SVHC candidate list update in June, the current SVHC consultation list has increasing focus on substances featuring PBT (persistent, bioaccumulative and toxic) properties and substances of equivalent level of concern (EQC). Following the first EQC (4-tert-octylphenol) inclusion on the SVHC candidate list on Dec 19 2011, six substances were proposed to the identification of SVHC based on equivalent level of concern this time.

They are 4-tert-octylphenol ethoxylates, methoxy acetic acid, sensitizers hexahydro-2-benzofuran-1,3-dione and the related substances, in which methoxy acetic acid was also classified as Toxic to Reproduction category 1B.

According to Article 33 of REACH, any article supplier to the European Union (EU) and European Economic Area (EEA) shall provide safe use information to the recipients upon supply and consumer upon request within 45 days, when an article contains a SVHC in a concentration above 0.1% (w/w). Notification is required by Article 7(2) of REACH when SVHC concentration >0.1% (w/w) in an article and the overall quantity in all articles is more than 1 tonne per year per producer or importer.

POSSIBLE OCCURRENCE IN CONSUMER PRODUCT

Of the 54 substances, 21 are lead containing organic or inorganic compounds; those substances are widely used in different industries. Some of the lead compounds are used as stabilizers in plastics production; they are trilead dioxide phosphonate, lead oxide sulphate, [phthalato(2-)]dioxotrilead, dioxobis(stearato)trilead, pentalead tetraoxide sulphate and sulfurous acid, lead salt, dibasic. Other lead compounds such as lead monoxide and tetraoxide are used in glass, ceramics, pigments, PVC processing and in lead-acid batteries. Besides lead containing compounds, another list of potential SVHCs fall into the group of aromatic amines. For those eight aromatic amines and dibutyltin dichloride which may be used in textile and plastic were already controlled under REACH Annex XVII in EU. Substance identities of 54 potential SVHCs published by ECHA on Sep 3 2012 are shown in Table 1.

The logo for SGS, consisting of the letters 'SGS' in a bold, sans-serif font. A vertical line is positioned to the right of the 'S', and a horizontal line is positioned below the 'G' and 'S', forming a partial frame around the text.

TABLE 1. 54 POTENTIAL SUBSTANCES OF VERY HIGH CONCERN PUBLISHED BY ECHA ON SEP 3 2012

NO.	SUBSTANCE	CAS NO.	EC NO.	CLASSIFICATION
1	[Phthalato(2-)]dioxotrilead	69011-06-9	273-688-5	Repr. 1A
2	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	Repr. 1B
3	1,2-Diethoxyethane	629-14-1	211-076-1	Repr. 1B
4	1-Bromopropane	106-94-5	203-445-0	Repr. 1B
5	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	Repr. 1B
6	4-(1,1,3,3-Tetramethylbutyl)phenol, ethoxylated	-	-	EQC
7	4,4'-Methylenedi- <i>o</i> -toluidine	838-88-0	212-658-8	Carc. 1B
8	4,4'-Oxydianiline	101-80-4	202-977-0	Carc. 1B Muta. 1B
9	4-Aminoazobenzene	60-09-3	200-453-6	Carc. 1B
10	4-Methyl- <i>m</i> -phenylenediamine	95-80-7	202-453-1	Carc. 1B
11	4-Nonylphenol, branched and linear	-	-	EQC
12	6-Methoxy- <i>m</i> -toluidine	120-71-8	204-419-1	Carc. 1B
13	Acetic acid, lead salt, basic	51404-69-4	257-175-3	Repr. 1A
14	Biphenyl-4-ylamine	92-67-1	202-177-1	Carc. 1A
15	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	214-604-9	PBT, vPvB
16	C,C'-azodi(formamide)	123-77-3	204-650-8	EQC
17	Dibutyltin dichloride	683-18-1	211-670-0	Repr. 1B
18	Diethyl sulphate	64-67-5	200-589-6	Carc.1B, Muta. 1B
19	Diisopentylphthalate (DIPP)	605-50-5	210-088-4	Repr. 1B
20	Dimethyl sulphate	77-78-1	201-058-1	Carc. 1B
21	Dinoseb	88-85-7	201-861-7	Repr. 1B
22	Dioxobis(stearato)trilead	12578-12-0	235-702-8	Repr. 1A
23	Fatty acids, C16-18, lead salts	91031-62-8	292-966-7	Repr. 1A
24	Furan	110-00-9	203-727-3	Carc. 1B
25	Henicosaflluoroundecanoic acid	2058-94-8	218-165-4	vPvB
26	Heptacosaflluorotetradecanoic acid	376-06-7	206-803-4	vPvB
27	Hexahydro-2-benzofuran-1,3-dione, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7, 13149-00-3, 14166-21-3	201-604-9, 236-086-3, 238-009-9	EQC
28	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	EQC
29	Lead bis(tetrafluoroborate)	13814-96-5	237-486-0	Repr. 1A
30	Lead cyanamidate	20837-86-9	244-073-9	Repr. 1A
31	Lead dinitrate	10099-74-8	233-245-9	Repr. 1A
32	Lead monoxide	1317-36-8	215-267-0	Repr. 1A

To be con'd

Con'd

NO.	SUBSTANCE	CAS NO.	EC NO.	CLASSIFICATION
33	Lead oxide sulphate	12036-76-9	234-853-7	Repr. 1A
34	Lead tetroxide	1314-41-6	215-235-6	Repr. 1A
35	Lead titanium trioxide	12060-00-3	235-038-9	Repr. 1A
36	Lead Titanium Zirconium Oxide	12626-81-2	235-727-4	Repr. 1A
37	Methoxyacetic acid	625-45-6	210-894-6	Repr. 1B, EQC
38	N,N-dimethylformamide	68-12-2	200-679-5	Repr. 1B
39	N-methylacetamide	79-16-3	201-182-6	Repr. 1B
40	N-pentyl-isopentylphthalate	776297-69-9	-	Repr. 1B
41	<i>o</i> -Aminoazotoluene	97-56-3	202-591-2	Carc. 1B
42	<i>o</i> -Toluidine	95-53-4	202-429-0	Carc. 1B
43	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	vPvB
44	Pentalead tetraoxide sulphate	12065-90-6	235-067-7	Repr. 1A
45	Propylene oxide	75-56-9	200-879-2	Carc. 1B, Muta. 1B
46	Pyrochlore, antimony lead yellow	8012-00-8	232-382-1	Repr. 1A
47	Silicic acid, barium salt, lead-doped	68784-75-8	272-271-5	Repr. 1A
48	Silicic acid, lead salt	11120-22-2	234-363-3	Repr. 1A
49	Sulfurous acid, lead salt, dibasic	62229-08-7	263-467-1	Repr. 1A
50	Tetraethyllead	78-00-2	201-075-4	Repr. 1A
51	Tetralead trioxide sulphate	12202-17-4	235-380-9	Repr. 1A
52	Tricosafuorododecanoic acid	307-55-1	206-203-2	vPvB
53	Trilead bis(carbonate)dihydroxide	1319-46-6	215-290-6	Repr. 1A
54	Trilead dioxide phosphonate	12141-20-7	235-252-2	Repr. 1A

If you would like to learn more about how SGS can support your REACH compliance activities, please contact us: reach@sgs.com or visit www.sgs.com/reach.

References:

¹ [ECHA launches a public consultation on 54 potential Substances of Very High Concern](#)



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