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ECHA launches the 8th public consultation of the REACH Candidate List

On 3 September 2012, the European Chemicals Agency (ECHA) published on its website the 45-day [public consultation](#)¹ for 54 substances proposed to be included in the Candidate List as Substances of Very High Concern (SVHC) (Table A). It has been the 8th proposal of updating the Candidate List ever since 2008. The [current Candidate List](#)² contains 84 SVHCs. With the addition of 54 substances, the number of SVHCs is likely to reach 138 by the end of 2012. This update may achieve the policy target set up by the European Commission earlier in 2010.

The public consultation period starts from 3 September 2012 to 18 October 2012. Anyone (EU and non-EU companies, individuals, organisations, etc.) can submit comments on the hazard properties that qualify the chemicals as SVHCs, as well as the uses of, exposures to and risks of these substances, and on the availability of safer alternatives. The information will be useful for the ECHA for recommending SVHCs for the inclusion in the [Authorisation List](#)³. Detailed information about potential usages for these substances can be found in the [Annex XV dossiers](#)⁴.

For the properties of the proposed SVHCs, most of them are identified because they are classified as carcinogenic, mutagenic or toxic to reproduction (CMR). Those substances are likely to be included in the Candidate List without further comments by the Member State Committee (MSC). Moreover, some of them are included because there are equivalent concerns for respiratory sensitizing effects or endocrine



disrupting properties, etc. The MSC will seek agreement to identify those substances as SVHCs.

Some of the proposed substances are already restricted under REACH Annex XVII entry 43 (azo colourants) for textiles and leather articles. Dibutyltin dichloride (DBT) is also proposed as a SVHC because of its toxic to reproduction property. This chemical is commonly used as additives in rubber, stabilisers in PVC plastics (Table B). In addition, a number of proposed SVHCs are restricted under entries 28, 29, 30 for substances and mixtures.

Table A: The 54 substances proposed for identification as SVHC

Name	EC number	CAS number	Proposed SVHC property
Bis(pentabromophenyl) ether (DecaBDE)	214-604-9	1163-19-5	PBT (Article 57d);
Pentacosafuorotridecanoic acid	276-745-2	72629-94-8	vPvB (Article 57e)
Tricosafuorododecanoic acid	206-203-2	307-55-1	vPvB (Article 57e)
Henicosafuoroundecanoic acid	218-165-4	2058-94-8	vPvB (Article 57e)
Heptacosafuorotetradecanoic acid	206-803-4	376-06-7	vPvB (Article 57e)
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues	-	-	Equivalent level of concern - probable serious effects on the environment (Article 57f)
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	-	-	Equivalent level of concern - probable serious effects on the environment (Article 57f)

Continued on next page >>

>> Continued from previous page

Table A: The 54 substances proposed for identification as SVHC

Name	EC number	CAS number	Proposed SVHC property
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3	Equivalent level of concern - probable serious effects on human health (Article 57f)
Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	201-604-9	85-42-7	Equivalent level of concern - probable serious effects on human health (Article 57f)
Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	247-094-1, 243-072-0, 256-356-4, 260-566-1	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	Equivalent level of concern - probable serious effects on human health (Article 57f)
Methoxy acetic acid	210-894-6	625-45-6	Toxic for reproduction (Article 57c); equivalent level of concern -probable serious effects on human health and the environment (Article 57f)
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0	Toxic for reproduction (Article 57c)
Diisopentylphthalate (DIPP)	210-088-4	605-50-5	Toxic for reproduction (Article 57c)
N-pentyl-isopentylphthalate	-	-	Toxic for reproduction (Article 57c)
1,2-Diethoxyethane	211-076-1	629-14-1	Toxic for reproduction (Article 57c)
N,N-dimethylformamide; dimethyl formamide	200-679-5	68-12-2	Toxic for reproduction (Article 57c)
Dibutyltin dichloride (DBT)	211-670-0	683-18-1	Toxic for reproduction (Article 57c)
Acetic acid, lead salt, basic	257-175-3	51404-69-4	Toxic for reproduction (Article 57c)
Basic lead carbonate (trilead bis(carbonate)dihydroxide)	215-290-6	1319-46-6	Toxic for reproduction (Article 57c)
Lead oxide sulfate (basic lead sulfate)	234-853-7	12036-76-9	Toxic for reproduction (Article 57c)
[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)	273-688-5	69011-06-9	Toxic for reproduction (Article 57c)
Dioxobis(stearato)trilead	235-702-8	12578-12-0	Toxic for reproduction (Article 57c)
Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	Toxic for reproduction (Article 57c)
Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	Toxic for reproduction (Article 57c)
Lead cyanidate	244-073-9	20837-86-9	Toxic for reproduction (Article 57c)
Lead dinitrate	233-245-9	10099-74-8	Toxic for reproduction (Article 57c)
Lead oxide (lead monoxide)	215-267-0	1317-36-8	Toxic for reproduction (Article 57c)
Lead tetroxide (orange lead)	215-235-6	1314-41-6	Toxic for reproduction (Article 57c)
Lead titanium trioxide	235-038-9	12060-00-3	Toxic for reproduction (Article 57c)
Lead titanium zirconium oxide	235-727-4	12626-81-2	Toxic for reproduction (Article 57c)
Pentalead tetraoxide sulphate	235-067-7	12065-90-6	Toxic for reproduction (Article 57c)
Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	Toxic for reproduction (Article 57c)
Silicic acid, barium salt, lead-doped	272-271-5	68784-75-8	Toxic for reproduction (Article 57c)
Silicic acid, lead salt	234-363-3	11120-22-2	Toxic for reproduction (Article 57c)
Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7	Toxic for reproduction (Article 57c)
Tetraethyllead	201-075-4	78-00-2	Toxic for reproduction (Article 57c)
Tetralead trioxide sulphate	235-380-9	12202-17-4	Toxic for reproduction (Article 57c)
Trilead dioxide phosphonate	235-252-2	12141-20-7	Toxic for reproduction (Article 57c)
Furan	203-727-3	110-00-9	Carcinogenic (Article 57a)
Propylene oxide; 1,2-epoxypropane; methyloxirane	200-879-2	75-56-9	Carcinogenic (Article 57a); Mutagenic (Article 57b)
Diethyl sulphate	200-589-6	64-67-5	Carcinogenic (Article 57a); Mutagenic (Article 57b)

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>> Continued from previous page

Table A: The 54 substances proposed for identification as SVHC

Dimethyl sulphate	201-058-1	77-78-1	Carcinogenic (Article 57a)
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	Toxic for reproduction (Article 57c)
Dinoseb	201-861-7	88-85-7	Toxic for reproduction (Article 57c)
4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	Carcinogenic (Article 57a)
4,4'-oxydianiline and its salts	202-977-0	101-80-4	Carcinogenic (Article 57a);Mutagenic (Article 57b)
4-aminoazobenzene; 4-phenylazoaniline	200-453-6	60-09-3	Carcinogenic (Article 57a)
4-methyl-m-phenylenediamine (2,4-toluene-diamine)	202-453-1	95-80-7	Carcinogenic (Article 57a)
6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	Carcinogenic (Article 57a)
Biphenyl-4-ylamine	202-177-1	92-67-1	Carcinogenic (Article 57a)
o-aminoazotoluene	202-591-2	97-56-3	Carcinogenic (Article 57a)
o-toluidine; 2-aminotoluene	202-429-0	95-53-4	Carcinogenic (Article 57a)
N-methylacetamide	201-182-6	79-16-3	Toxic for reproduction (Article 57c)
1-bromopropane; n-propyl bromide	203-445-0	106-94-5	Toxic for reproduction (Article 57c)

Remarks: PBT: Substances which are persistence, bioaccumulative and toxic

Table B: Proposed substances under REACH Annex XVII Entries 20 and 43

Name	EC number	CAS number	Proposed SVHC property	Entry under REACH Annex XVII
Dibutyltin dichloride (DBT)	211-670-0	683-18-1	Toxic for reproduction (Article 57 c)	20
4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	Carcinogenic (Article 57 a)	43
4,4'-oxydianiline and its salts	202-977-0	101-80-4	Carcinogenic (Article 57 a);Mutagenic (Article 57 b)	43
4-aminoazobenzene; 4-phenylazoaniline	200-453-6	60-09-3	Carcinogenic (Article 57 a)	43
4-methyl-m-phenylenediamine (2,4-toluene-diamine)	202-453-1	95-80-7	Carcinogenic (Article 57 a)	43
6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	Carcinogenic (Article 57 a)	43
Biphenyl-4-ylamine	202-177-1	92-67-1	Carcinogenic (Article 57 a)	43
o-aminoazotoluene	202-591-2	97-56-3	Carcinogenic (Article 57 a)	43
o-toluidine; 2-aminotoluene	202-429-0	95-53-4	Carcinogenic (Article 57 a)	43

¹ Read the press release from the ECHA: http://echa.europa.eu/en/web/guest/view-article/-/journal_content/512b7526-9dd6-4872-934e-8c298c89ad99² Refer to the official Candidate List: http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp³ Read the description of authorization here: <http://echa.europa.eu/web/guest/regulations/reach/authorisation>⁴ Refer to the public consultation webpage (with Annex XV dossiers that include possible end uses of the proposed SVHCs): <http://echa.europa.eu/web/guest/proposals-to-identify-substances-of-very-high-concern>

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