

SAFEGUARDS

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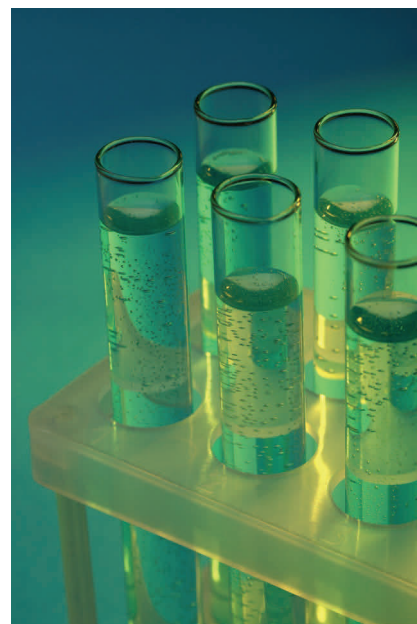
EU- ECHA OPENS 2014 SECOND SVHC CONSULTATION ON 10 PROPOSALS

On 1 September 2014, the European Chemical Agency (ECHA) launched the second 2014 public consultation on 10 potential Substances of Very High Concern (SVHC).¹ The public consultation period will last for 45 days. The human hazard classification as a carcinogenic, mutagenic or reprotoxic (CMR) substance is an automatic criterion for SVHC identification. Comments are welcome on the classification as persistent, bioaccumulative and toxic (PBT), very persistent and very bioaccumulative (vPvB) or equivalent level of concern (EQC). The substance application, tonnages per use, exposures or releases resulting from these uses, safer alternative substances and techniques as well as the structure of supply chains are also valuable information. Interested parties have until 16 October 2014 to submit comments to the ECHA website.

THE 10 POTENTIAL SVHCs

The 2014 second SVHC consultation list consists of ten proposals. Noticeably phthalates are again in focus. Four of the proposals of phthalates (DEHP, DBP, BBP and DIBP; please see table below for acronyms) have been listed on the candidate list because of the classification as toxic to reproduction category 1B (Repr. 1B).² These phthalates are recommended again for SVHC listing due to the classification as EQC based on their endocrine-disrupting properties. Proposals of polymer aging stabilizers UV-320 and UV-328 are resubmitted because of their PBT and vPvB properties. Two organotin entries, DOTE and reaction mass of DOTE and MOTE, are nominated as SVHC based on the reproductive toxicity category 1B (Repr. 1B). These substances are mainly used as PVC heat stabilizers. Two inorganic substances, cadmium fluoride and cadmium sulphate, are designated for SVHC identification according to their serious health hazard classification as CMR category 1B (Carc. 1B, Muta. 1B, Repr. 1B) and EQC based on their specific target organ toxicity after repeated exposure category 1 (STOT RE 1), in particular on kidney and bone. As four of the ten consultation list proposals have been identified as SVHC, the total number of candidate list substances is expected to increase by 6. If all the 10 proposals are put forward smoothly for inclusion, the SVHC candidate list would be expanded from 155 to 161 entries.

The potential uses of the 10 potential SVHCs are summarized in Table 1.



¹ [SVHC Consultation list](#)

² [SVHC Candidate list](#)

**TABLE 1. POTENTIAL USES OF 10 POTENTIAL SUBSTANCES OF VERY HIGH CONCERN
PUBLISHED BY ECHA ON SEPTEMBER 1 2014**

ENTRY	SUBSTANCE NAME	CAS NUMBER / EC NUMBER	CLASSIFICATION	POTENTIAL USAGES
1	Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7 / 204-211-0	EQC	<ul style="list-style-type: none"> • Plasticizers in plastic • Additive in hydraulic fluid • Dielectric fluid in capacitors
2	Dibutyl phthalate (DBP)	84-74-2 / 201-557-4	EQC	<ul style="list-style-type: none"> • Plasticizers for plastic • Additive of adhesives and printing inks
3	Benzyl butyl phthalate (BBP)	85-68-7 / 201-622-7	EQC	<ul style="list-style-type: none"> • Plasticizer for plastic and synthetic leathers
4	Diisobutyl phthalate (DIBP)	84-69-5 / 201-553-2	EQC	<ul style="list-style-type: none"> • Plasticizer in plastic • Used in paints, lacquers, varnishes • Additives in adhesives, binding agents, softeners and viscosity adjusters.
5	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7 / 223-346-6	PBT, vPvB	<ul style="list-style-type: none"> • UV-stabilizer for plastic, polyurethanes and rubber • Used in the formulation of coating
6	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1 / 247-384-8	PBT, vPvB	<ul style="list-style-type: none"> • UV-stabilizer for plastic, polyurethanes and rubber • Used in the formulation of coating
7	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1 / 239-622-4	Repr. 1B	<ul style="list-style-type: none"> • PVC heat stabiliser
8	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 ³)	- / -	Repr. 1B	<ul style="list-style-type: none"> • PVC heat stabiliser

³ MOTE: CAS Number 27107-89-7; EC Number 248-227-6

9	Cadmium fluoride	7790-79-6 / 232-222-0	Carc. 1B Muta. 1B Repr. 1B EQC	<ul style="list-style-type: none"> Production of electrical equipment
10	Cadmium sulphate	10124-36-4; 31119-53 -6 / 233-331-6	Carc. 1B Muta. 1B Repr. 1B EQC	<ul style="list-style-type: none"> Used in battery Used for electroplating

ABBREVIATIONS

Carc. 1B: Carcinogen category 1B

Muta. 1B: Mutagen category 1B

Repr. 1B: Toxic for reproduction category 1B

PBT: Persistent, bioaccumulative and toxic

vPvB: Very persistent and very bioaccumulative

EQC: Equivalent level of concern

SVHC may be introduced into various consumer products due to the complexities of both the supply chain and production process. Laboratory testing provides reliable evidence to determine if chemical substances exist in products and information on their volume and concentration. Identifying high risk products or materials or having a test strategy can also be a smart way to ensure compliance and save costs. If you would like to learn more about how SGS can support your REACH compliance activities please contact us: <mailto:reach@sgs.com> or visit www.sgs.com/reach.



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