

SAFEGUARDS

CONSUMER GOODS AND RETAIL

CONSUMER PRODUCTS

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EU – SVHC CANDIDATE LIST AMENDED TO CONTAIN 161 ENTRIES AND ONE ENTRY UPDATE

On 17 December 2014, the European Chemical Agency (ECHA) amended one and included six new Substances of Very High Concern (SVHCs) in the Candidate List¹. The addition of six new SVHC brings the total number from 155 to 161 entries². Bis(2-ethylhexyl) phthalate (DEHP) has been listed on the candidate list because of the classification as toxic to reproduction category 1B (Repr.1B) but unanimously agreed to include the additional listing because of the classification as equivalent level of concern (EQC) causing probable serious effect to the environment based on its endocrine-disrupting properties. DEHP is also by far the SVHC with the highest number of notifications to be present in articles with > 0.1% (w/w) as announced on 11 November 2014 by ECHA in its data base on candidate list substances in articles³.

OBLIGATIONS FOR ARTICLE PRODUCERS AND IMPORTERS

According to Article 33 of REACH, European Union (EU) and European Economic Area (EEA) manufacturers and importers of articles are required to provide information to allow safe use of products to the recipients upon supply and to consumers within 45 days upon request when the concentration of the SVHC in the article exceeds 0.1% (w/w). For articles that contain SVHC in which the concentration is above 0.1% with the quantity over one tonne per year, a notification shall be submitted to ECHA by the manufacturers or the importers under Article 7 of REACH. The notification of SVHCs in articles shall be made within 6 months after their inclusion to the List. The notification deadline for the 6 new SVHCs added to the Candidate List is 17 June 2015.

SVHC CANDIDATES

Four of the six new SVHC are organic substances used as additives in plastic. UV-320 and UV-328 are polymer aging stabilizers. Two organotin entries, DOTE and reaction mass of DOTE and MOTE, are mainly used as Polyvinylchloride (PVC) heat stabilizers. For the two inorganic SVHCs, they are mainly found in electronic components. Cadmium fluoride is used for the fabrication of photovoltaic cells. Cadmium sulphate has been used as an additive in lead-acid batteries. The updated DEHP is mainly used as plasticizer in polymers.

The origin of SVHCs introduced into various consumer products may be difficult to

determine 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: reach@sgs.com or visit www.sgs.com/reach.

¹ [Candidate List](#)

² [Candidate List of SVHC](#)

³ [Candidate list substances](#)

TABLE 1. POTENTIAL USES OF 7 SVHC IN THE CANDIDATE LIST PUBLISHED BY ECHA ON 17 DECEMBER 2014

NENTRY	SUBSTANCE NAME	CAS NUMBER / EC NUMBER	CLASSIFICATION	POTENTIAL USAGES
1	Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7 / 204-211-0	Repr. 1B EQC	<ul style="list-style-type: none"> • Plasticizer in polymers • Metal working fluids
2	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 absorbers in transparent plastics • UV stabilizers for plastic, polyurethanes and rubber
3	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 absorbers in transparent plastics • UV stabilizers for plastic, polyurethanes and rubber • UV protection agents in coatings
4	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
5	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)	- / -	Repr. 1B	<ul style="list-style-type: none"> • PVC heat stabiliser

To be con'd

6	Cadmium fluoride	7790-79-6 / 232-222-0	Carc. 1B Muta. 1B Repr. 1B EQC	<ul style="list-style-type: none"> Intermediate for the production of other cadmium compounds. Might be used in glass
7	Cadmium sulphate	10124-36-4; 31119-53-6 / 233-331-6	Carc. 1B Muta. 1B Repr. 1B EQC	<ul style="list-style-type: none"> Industrial intermediate for the production of other cadmium compounds. used as additive in lead acid batteries 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



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