

SAFEGUARDS

CONSUMER GOODS AND RETAIL

CONSUMER PRODUCTS

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THE SECOND SVHC CONSULTATION LIST IN 2013

On 2 September 2013, the European Chemical Agency (ECHA) published 7 proposals to identify new Substances of Very High Concern (SVHC).¹ The public consultation for the identification of SVHCs takes place twice a year and will last for 45 days. Interested parties have until 17 October 2013 to provide comments on the substance identity, further information related to properties of concern, application, exposure, alternatives as well as the risk of the proposed substances to ECHA. In the current consultation list, three of the substances are mainly used as additives in plastic and rubber, and three other substances are applied as colorants. If all 7 substances are added to the SVHCs candidate list, the total number will expand to 151.

THE POTENTIAL SVHCs

The second SVHC consultation list in 2013 contains 7 substances. Two of the substances are widely used additives in plastic; dihexyl phthalate is used as a plasticizer and trixylyl phosphate is a phosphorous-containing flame retardant. Another additive, imidazolidine-2-thione, is used as an accelerator in the production of chloroprene rubber. Three of the substances in the list are colorants, where two are benzidine-based dyes and one is an inorganic pigment. The two benzidine-based dyes, Direct Black 38 and Direct Red 28, are mainly used for the dyeing of textile and paper. The inorganic pigment, cadmium sulphide, is widely used in polymer and glass for coloring. The other inorganic compound, lead di(acetate), is used as a metallic dryer to accelerate the drying of paint, coatings and ink. It is also used in the manufacture of electrical equipment.



The potential uses of the 7 potential SVHCs are summarized in Table 1 on following page.

¹ [Substances of very high concern identification](#)

TABLE 1. POTENTIAL USES OF 7 POTENTIAL SUBSTANCES OF VERY HIGH CONCERN PUBLISHED BY ECHA ON 2 SEPTEMBER 2013

NO.	SUBSTANCE	CAS NO./	CLASSIFICATION	POTENTIAL USES
1	Dihexyl phthalate	84-75-3/ 201-559-5	Repr. 1B	<ul style="list-style-type: none"> Used as plasticiser
2	Trixylyl phosphate	25155-23-1/ 246-677-8	Repr. 1B	<ul style="list-style-type: none"> Used as flame retardant in plastic Used as additive in lubricant
3	Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7/ 202-506-9	Repr. 1B	<ul style="list-style-type: none"> Used in the production of rubber products and tyres
4	C.I. Direct Black 38; Disodium 4-amino-3-[[4'-(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate	1937-37-7/ 217-710-3	Carc. 1B	<ul style="list-style-type: none"> Used as dye
5	C.I. Direct Red 28; Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate)	573-58-0/ 209-358-4	Carc. 1B	<ul style="list-style-type: none"> Used as dye Used as pH indicator
6	Cadmium sulphide	1306-23-6/ 215-147-8	Carc. 1B, EQC	<ul style="list-style-type: none"> Used as pigment Used in semiconductor industry Used as stabilizer in plastic
7	Lead di(acetate)	301-04-2/ 206-104-4	Repr. 1A	<ul style="list-style-type: none"> Used in paint and coating Used in electrical equipment

ABBREVIATIONS

Carc. 1B: Carcinogen category 1B

Repr. 1A: Toxic to reproduction category 1A

Repr. 1B: Toxic to reproduction category 1B

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 and 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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