

SAFEGUARDS

SGS CONSUMER TESTING SERVICES

HARDLINES, SOFTLINES

NO. 209/11 NOV 2011

UPDATE OF ORGANOTIN REQUIREMENT IN EUROPEAN REGULATION (EU) 276/2010 (REACH)

The [European Commission Decision 2009/425/EC](#), of 4 June 2009 restricted the use of dibutyltin, dioctyltin and tri-substituted organotin compounds. In April 2010, this Decision was incorporated into [ANNEX XVII of REACH via Regulation \(EU\) 276/2010](#). This European Regulation focused on dibutyltin, dioctyltin and tri-substituted organotin compounds due to their wide commercial applications as plastic stabilizers, catalytic agents, industrial biocides, antifouling paints, glass coating, and pesticides. Organotin compounds are environmental pollutants and particularly harmful to aquatic environments as well as human health. Therefore, severe restrictions are imposed on articles containing organotin compounds.

As of 1 July 2010, products containing tri-substituted organotin compounds with concentrations greater than 0.1% by weight of tin were not allowed on the market. The use of dibutyltin and dioctyltin compounds will be restricted starting on 1 January 2012, Dibutyltin (DBT) compounds shall not be used in mixtures and articles for supply to the general public where the concentration is greater than 0.1% by weight of tin (excluding materials and articles in direct contact with food regulated by Regulation (EC) 1935/2004, and other materials exempted before 1 January 2015). Dioctyltin (DOT) compounds shall not be used in articles for supply to or use by the general public with the



concentration greater than 0.1% by weight of tin. Table 1 below shows the restrictions and the restriction dates.

SGS

TABLE 1. SUMMARY OF ORGANOTIN REQUIREMENTS UNDER EUROPEAN REGULATION (EU) 276/2010 AMENDING ANNEX XVII OF REACH.

SUBSTANCE	SCOPE	REQUIREMENT	EFFECTIVE
Tri-substituted organostannic compounds such as Tributyltin (TBT) compounds and Triphenyltin (TPT) compounds	Article or part of an article	≤0.1% by weight of tin	1 July 2010
Dibutyltin (DBT) compounds	1. Mixture 2. Article or Part of an article (Except Food contact materials)	≤0.1% by weight of tin	1 January 2012
	1. One-component and two-component room temperature vulcanisation sealants (RTV-1 and RTV-2 sealants) and adhesives 2. Paints and coatings containing DBT compounds as catalysts when applied on articles 3. Soft polyvinyl chloride (PVC) profiles whether by themselves or coextruded with hard PVC 4. Fabrics coated with PVC containing DBT compounds as stabilisers when intended for outdoor applications 5. Outdoor rainwater pipes, gutters and fittings, as well as covering material for roofing and façades	≤0.1% by weight of tin	1 January 2015
Diocetyl tin (DOT) compounds	1. Textile articles intended to come into contact with the skin 2. Gloves 3. Footwear or part of footwear intended to come into contact with the skin 4. Wall and floor coverings 5. Childcare articles 6. Female hygiene products 7. Nappies 8. Two-component room temperature vulcanisation moulding kits (RTV-2 moulding kits)	≤0.1% by weight of tin	1 January 2012

For further information regarding this European regulation, please refer to our [previous Safeguards](#).

SGS will follow up and inform interested parties regarding developments in regulations on chemicals in consumer products. Throughout our global network of

laboratories and offices, we offer high quality testing and consultancy services for restricted substances in consumer products. Please do not hesitate to contact us for further information.

FOR ENQUIRIES:

Global Competence Support Centre: gcsc@sgs.com
 HK-Hingwo Tsang Tel: +852 2774 7420 or Hingwo.Tsang@sgs.com
 Global Softlines Development Office: mailto:global.sl@sgs.com

Asia – Hong Kong. Tel: +852 2334 4481 Fax: +852 2144 7001 mktg.hk@sgs.com
 Australasia – Perth. Tel: +61 (0) 3 9790 3418 Fax: +61 (0) 3 9701 0988 au.cts@sgs.com
 Europe – London – UK. Tel: +44(0) 203 008 7860 Fax: +44 (0) 203 00 7870 gb.cts.sales@sgs.com
 Africa & Middle East – Turkey. Tel: +90 212 368 40 00 Fax: +90 212 296 47 82 sgs.turkey@sgs.com
 Americas – USA. Tel: +1 973 575 5252 Fax: +1 973 575 7175 uscts.inquiries@sgs.com

www.sgs.com/cts Global Competence Support Centre: gcsc@sgs.com
 If you wish to unsubscribe to this technical bulletin, go here: [Unsubscribe](#)

© 2011 SGS SA. All rights reserved. This is a publication of SGS, except for 3rd parties' contents submitted or licensed for use by SGS. SGS neither endorses nor disapproves said 3rd parties contents. This publication is intended to provide technical information and shall not be considered an exhaustive treatment of any subject treated. It is strictly educational and does not replace any legal requirements or applicable regulations. It is not intended to constitute consulting or professional advice. The information contained herein is provided "as is" and SGS does not warrant that it will be error-free or will meet any particular criteria of performance or quality. Do not quote or refer any information herein without SGS's prior written consent.