

Scoop

THE LATEST TRENDS, SERVICES & PROMOTIONS

ELECTRICAL & ELECTRONICS

JUNE 2022

EU RoHS Directive Annex II to include TBBPA & MCCP

The *RoHS Directive* aims to prevent the risks posed to human health and the environment related to the management of electronic and electrical waste by restricting the use of certain hazardous substances.

On 20 May 2022, the European Commission published an Initiative on its official website for substances restricted by the RoHS Directive, proposing to add *tetrabromobisphenol A (TBBP-A)* and *medium chain chlorinated paraffins (MCCPs)* to the current list of restricted substances.

The adoption time of this plan is scheduled to be completed by the fourth quarter of 2022.



For enquiries, please contact our Customer Service team.

SGS HONG KONG

Electrical & Electronics Technology
Customer Service Team

t +852 2765 3617

f +852 2766 3778

e HK.EC.CSteam@sgs.com

Table 1. About medium chain chlorinated paraffins (MCCPs) and tetrabromobisphenol A (TBBP-A).

	MCCPs	TBBP-A
Function	Similar to SCCP, it is a class of plasticizers with flame retardant functions. Commonly found in PVC, soft plastics, rubber materials, coatings, adhesives, sealants, especially wires and cables. There are already relevant alternatives on the market for MCCPs used as plasticizers and flame retardants	Used as a reactive flame retardant in electrical and electronic products
Toxicity	Including reproductive toxicity, aquatic biological toxicity. MCCPs are compliant with PBT (persistence, bioaccumulative, toxicity) and vPvB (high persistence and high bioaccumulability) in the REACH regulations properties, which were added to the SVHC Candidate List in July 2021	The EU is evaluating the endocrine disruptive properties and PBT properties of TBBP-A
Environmental Hazards	The disposal of electrical and electronic products and the recycling of PVC materials will pose unacceptable risks to human health and the environment. MCCPs in soil and water sediments can trigger secondary poisoning of organisms after they enter the food chain	A pervasive pollutant that is often detected in the environment. Waste disposal and recycling of electrical and electronic products may pose an unacceptable risk to workers, as well as harmful residues or conversion degradation products that lead to uncontrolled diffusion and release into the environment.

With a proven track record in product safety certification, SGS' global network and specialists are the ideal partner to verify your compliance to RoHS.

@2022 SGS. All rights reserved. Information contained herein is provided "as is" and does not warrant that it will be error-free or meet any particular criteria of performance or quality. Do not quote or refer any information herein without SGS' prior written consent. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.