



Electronic products

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## Swedish proposes adding restriction of MCCPs to RoHS directive

The Swedish Chemicals Agency (KEMI) is proposing that the use of medium-chained chlorinated paraffins (MCCPs) in electrical and electronic equipment is restricted. MCCPs are classified as hazardous to the environment, and some appear to meet the criteria for persistent, bioaccumulative and toxic (PBT) substances.

KEMI has submitted a proposal to the European Commission for the inclusion of a restriction on MCCPs in the RoHS Directive, which aims to reduce the risks to human health and the environment by substituting and restricting hazardous chemicals in electrical and electronic equipment.



Emissions during the management of electronics waste containing MCCPs pose risks to the environment and human health. Some substances in the group also appear to meet the criteria for PBT substances, which are slow to degrade in nature, accumulate in living organisms, and have toxic effects. Other substances with a better environmental and health profile are available as substitutes for MCCPs, but switching to these alternatives may result in higher costs. A socioeconomic assessment commissioned by the Swedish Chemicals Agency shows, however, that the extra costs from restricting MCCPs are relatively low, for both manufacturers and consumers.

### Website Links

<https://www.kemi.se/en/news-from-the-swedish-chemicals-agency/2018/the-swedish-chemicals-agency-proposes-restriction-on-medium-chained-chlorinated-paraffins-in-electronics/>

### HCT solutions

Medium-chain chlorinated paraffins (MCCPs) C14~C17 is a group of mixture that mainly used in metal working fluid, reagents used in sealing, flame retardants in Rubber, textile and leather products, coating in the leather products etc. The MCCPs is the representative in the chlorinated flame retardants. Components in electrical and electronic equipment that may content MCCPs includes the sealant plastic, leather, textile, paints and coating.

HCT as a professional test institution can detect toxic and harmful substances in products, we pay close attention to the latest requirements of international and domestic laws and regulations, and provide customers with the best quality testing services.

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