



Response to Directive 2015/863/EU Amending 2011/65/EU

Regarding the Addition of Substances DEHP, BBP, DBP and DIBP to Annex II

January 2020

On March 31, 2015, the EU Commission amended the Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 (“RoHS Directive”) by adding four (4) new phthalates to the list of restricted substances in Annex II. These substances, commonly known as DEHP, BBP, DBP and DIBP, will be restricted in the use of electrical and electronic equipment (EEE) in concentrations greater than 0.1% by weight in the homogeneous material as follows.

Time Line of Implementation Summary

1. New RoHS Directive published – March 31, 2015
2. Becomes Member State Law – December 31, 2015
3. Restrictions become effective – July 22, 2019
4. Restrictions become effective for medical and monitoring control instruments – July 22, 2021

Capacitors manufactured by KEMET Electronics Corporation (KEMET) do not contain Article 33 of Regulation No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) substances DEHP, BBP, DBP and DIBP at the article level. Additionally, based on the current material knowledge and third-party testing, we believe our capacitors do not contain DEHP, BBP, DBP and DIBP in concentrations greater than 0.1% by weight at the homogeneous level under the RoHS Directive.

Additional Background information

The four (4) phthalates discussed herein were previously identified on the REACH Candidate List of Substances of Very High Concern (SVHC) and subsequently included in the Authorisation List in Annex XIV. Under REACH, these substances have been banned at the article level with the exception of specifically authorized use(s).

Current REACH authorization for these substances:

Substance	EC Number	CAS Number	Sunset Date	Authorized Use
Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	21/02/2015	Medicinal Packaging
Bis(2-ethylhexyl) phthalate (DEHP)	204-211-0	117-81-7	21/02/2015	Medicinal Packaging
Dibutyl phthalate (DBP)	201-557-4	84-74-2	21/02/2015	Medicinal Packaging
Diisobutyl phthalate (DIBP)	201-553-2	84-69-5	21/02/2015	