



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

(Addition of Substances DEHP, BBP, DBP and DIBP to Annex II)

On March 31, 2015, the EU Commission amended the RoHS Directive 2011/65/EU by adding 4 new phthalates to the list of restricted substances in Annex II. These substances, 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.

Time Line of Implementation Summary

1. New 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

KEMET manufactured product do not contain REACH substances DEHP, BBP, DBP and DIBP at the article level and based on the current material knowledge and 3rd party testing, KEMET believes our capacitors do not contain DEHP, BBP, DBP and DIBP in concentrations greater than 0.1% by weight at the homogeneous level as defined by the RoHS Directive. KEMET will certify compliance to 2015/863/EU well in advance of 2019.

Background information

All four of these substances were previously identified on the REACH Candidate List of SVHC and subsequently included in the Authorisation List in Annex XIV. In summary these substances have been banned at the article level with 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	