



DUTEK is a Contract Manufacturer, and as such, utilizes only components and materials specified directly by you, the Customer. Therefore, we can only provide the detail on chemicals/materials we add to the assembly in the manufacturing process. We only use components specifically called out on the supplied Bill of Materials (BOM). The RoHS 3 compliance for the components and materials called out on the BOM is the responsibility of the design function.

On 4 June 2015, the EU commission has published Directive (EU) 2015/863 to amend Annex II to EU RoHS 2 (Directive 2011/65/EU) to add the following 4 phthalates onto the list of restricted substances.

- Bis(2-Ethylhexyl) phthalate (DEHP): max 0.1%;
- Benzyl butyl phthalate (BBP): max 0.1%;
- Dibutyl phthalate (DBP): max 0.1%;
- Diisobutyl phthalate (DIBP): max 0.1%.

10 hazardous substances will now be restricted in EEE under EU RoHS. (It should be noted that above maximum concentration values apply to each homogeneous material rather than a product or a part itself. A homogeneous material means material of uniform composition throughout that cannot be mechanically separated into different materials.)

DEHP, BBP, DBP and DIBP are primarily used as plasticizers to soften plastics and are likely to be found in many soft rubber parts and PVC. These plasticizers are often in vinyl, labels, inks, synthetic rubber, epoxies, paints, sealing agents, coatings, adhesives and glues, polymers, polymer resistors, cables, wiring, handle grips, modeling clay, gaskets, rubber knobs and feet, and other materials. DEHP, BBP, DBP and DIBP will be restricted from 22 July 2019 for all electrical and electronic equipment apart from Category 8 (medical devices) and Category 9 (monitoring and control equipment) that will have an additional two years to comply by 22 July 2021.

The restriction of DEHP, BBP, DBP and DIBP shall not apply to cables or spare parts for the repair, the reuse, the updating of functionalities or upgrading of capacity of EEE placed on the market before 22 July 2019. Therefore, current devices in the field will be exempt as far as spare parts (i.e., cables) are concerned, but EEE sales after 22 July 2019 will need their spare parts to comply with the directive.

With regard to the individual components, specified by on your BOM as RoHS compliant, all are RoHS compliant, assuming the manufacturer's part number reflects a RoHS compliant part. We order only to the specified manufacturer's part numbers as called out on the BOM. We verify, upon receipt, that the parts received match the parts ordered. Components are segregated in Stock and processed on designated Lead Free lines. DUTEK provides a C of C with every shipment of RoHS compliant product.

If you need further information on the individual components and materials called out on your BOM, the detailed information you are seeking may be obtainable directly from the component or material manufacturers.

Sincerely,

Greg Skodacek,  
Director of Quality and Regulatory Affairs