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# Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment - RoHS 3 (EU 2015/863)

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## Exertherm Ltd and Exertherm Inc (Exertherm) - Statement on the RoHS 3 Directive

RoHS 3 (EU Directive 2015/863) adds Category 11 (catch-all) products and adds four new restricted substances -all phthalates. The four phthalates are mainly used as insulation plasticizers and are on the REACH list of SVHC (Substances of Very High Concern).

- Bis(2-ethylhexyl) phthalate (DEHP) - a plastic polymer (plasticiser) previously used in cable and wire insulation as a dielectric in large high-voltage capacitors, as a processing aid for rigid polymers and as a softener in a wide array of PVC medical devices.
- Butyl benzyl phthalate (BBP) - occasionally used as a co-plasticiser in wire and cable; as an additive in flexible adhesives, coatings and inks; and in polyurethane adhesives, polyurethane rubbers and acrylicbased polymers.
- Dibutyl phthalate (DBP) - used as a plasticiser in flexible varnishes, nitrocellulose paints and paper coatings; to "size" glass fibre and to add flexibility to rubbers and paints.
- Di-isobutyl phthalate (DIBP) - a plasticiser known to hold very similar properties to DPB but generally not known to be used in electronic products.

Exertherm is committed to compliance with all applicable laws and regulations, including the restriction of hazardous substances in electronic products. The RoHS Directive specifies that an electronic product or component may not contain a listed substance except as specifically provided for in the directive.

Exertherm aim has always been to comply with the RoHS Directive prior to the 1st July 2006 implementation date for all products, and to enable this, all production shipped are compliant, in accordance with customer requirements.

Exertherm monitors stock levels to ensure that any new stock is compliant and managed accordingly. This allows our customers to have confidence that they are receiving a compliant product.

Exertherm do not use raw materials, compliance of the components we use, is ensured during the buying process and if required, we will send confirmation of the current status. To ensure compliance, our products and components do not contain any substances listed below in concentrations higher than 0.1 % or 0.01% for Cadmium MCV (Maximum Concentration Values) in any homogeneous material:



Substance	Maximum Limit ppm
Cadmium (Cd)	100
Lead (Pb)	1000
Mercury (Hg)	1000
Hexavalent chromium (Cr6+)	1000
Polybrominated biphenyls (PBB)	1000
Polybrominated diphenyl ethers (PBDE)	1000
Bis (2-ethylhexyl) phthalate (DEHP)	1000
Butyl benzyl phthalate (BBP)	1000
Dibutyl phthalate (DBP)	1000
Di-isobutyl phthalate (DIBP)	1000

Exertherm will only use substitutes and alternatives that do not compromise product quality or safety. In addition, Exertherm has been working with our supply chain partners to ensure every aspect of our business accommodates these new requirements.

Please be aware that we cannot give any information about the products, we always rely on the data from the manufacturer.

Exertherm are not in the position to give legally binding information, the information you receive from Exertherm is what the supplier has provided to us.

Since we are taking all efforts to gather the information on RoHS, we are not responsible for missing information. Therefore, we will assume no liability for financial losses (indemnity, loss of profit) or civil penalties caused by official ruling.

If you have any questions on this directive, or need further details, please contact the sales office on [sales@Exertherm.com](mailto:sales@Exertherm.com).



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