

To Whom It May Concern:

OTTO Engineering initiated a program to comply with the original RoHS (2002/95/EC) requirement standards effective July 1, 2006. Compliance entails identifying and eliminating hazardous substances in electrical and electronic equipment. Products that are not certified as RoHS compliant are banned from the European Union and some Asian countries. This effort required changes to certain OTTO processes and materials including, but not limited to, the elimination of lead content solder. All customer controlled drawings are flagged prior to implementation of changes and customers are notified of the changes. If there are specific concerns regarding this initiative please contact:

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SUMMARY OF RoHS DIRECTIVE

The Restriction of Hazardous Substances in Electrical and Electronic Equipment (RoHS) directive (2011/65/EU) and delegated directive EU 2015/863.

Who does it affect?

Manufacturers, sellers, distributors and recyclers of electrical and electronic equipment containing lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), bis(2-ethylhexyl) phthalates (DEHP), butyl benzyl phthalate (BBP), dibutyl phthalate (DBP) and diisobutyl phthalate (DIBP).

Purpose

The Directive aims to protect human health and the environment by restricting the use of certain hazardous substances in equipment.

Key elements

- From July 1, 2006 new electrical and electronic equipment must not contain more than 0.1% lead, mercury, hexavalent chromium, polybrominated biphenyls (PBBs) or polybrominated diphenyl ethers (PBDEs) and not more than 0.01% cadmium. These must be replaced by other substances.
- Equipment that uses electricity or electromagnetic fields to fulfill an aspect of its purpose is within scope of RoHS.
- On July 22, 2019 delegated directive EU 2015/863 included the following phthalates to have a 0.1% limit: bis(2-ethylhexyl) phthalates (DEHP), butyl benzyl phthalate (BBP), dibutyl phthalate (DBP) and diisobutyl phthalate (DIBP).
- Certain applications are exempt from the directive's requirements including R&D, military and space equipment.