

August 31, 2020

RoHS Hazardous Material Initiative

Re: Compliance with European Directive 2015/863/EU (RoHS 3)



It has been Mechanical Products' (MP) policy to avoid the use of hazardous materials in our processes and products as much as possible, and to continuously improve our manufacturing methods. One of the fundamental principles of this policy is to provide the necessary level of protection for human health and the environment.

The succession of European Directives 2002/95/EC (RoHS), 2011/65/EU (RoHS 2), and 2015/863 (RoHS 3) for the Restriction of Hazardous Substances in electrical and electronic equipment (RoHS) have expanded the scope of regulations on products and substances as used in equipment sold into the EU market. The material limitations effective July 22, 2019:

Lead (Pb)	0.1% (1000 ppm)
Mercury (Hg)	0.1% (1000 ppm)
Cadmium (Cd)	0.01% (100 ppm)
Hexavalent Chromium (Cr+6)	0.1% (1000 ppm)
Polybrominated biphenyl (PBB)	0.1% (1000 ppm)
Polybrominated diphenyl ether (PBDE)	0.1% (1000 ppm)
Benzyl butyl phthalate (BBP)	0.1% (1000 ppm)
Dibutyl phthalate (DBP)	0.1% (1000 ppm)
Di-isobutyl phthalate (DIBP)	0.1% (1000 ppm)

These concentrations apply to homogeneous materials (materials that cannot be mechanically disjoined into separate, different materials).

As yet, there are still a number of applications exempted for these substances, as noted in RoHS Annexes and Exceptions, including (by weight): lead as an alloying element in steel up to 0.35%, aluminum containing up to 0.4% lead, copper alloys containing up to 4% lead, and cadmium and its compounds as used in electrical contacts.

MP continues to be in the forefront of manufacturers with our commitment to monitoring ongoing RoHS updates to materials and exceptions. We have now completely eliminated the use of cadmium contacts in our largest circuit breaker and protector product lines. And to better serve our customers, we are continuing to work to reduce the need for RoHS exceptions within all MP products.

With the support of its suppliers, MP tests and validates the components and materials used in its products, and certifies that its circuit breakers and supplementary protectors that note RoHS compliance on their respective data sheets are compliant to all RoHS requirements, including all currently drafted Annexes and Exceptions.

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