



TECHNICAL BULLETIN

RoHS 3

On February 13, 2003 the European Union Directives on Waste Electrical and Electronic Equipment (WEEE) and Restrictions on Hazardous Substances in Electrical and Electronic Equipment (RoHS) were adopted. These are most commonly referred to as "RoHS."

The basic goal of this legislation was to require producers of electronic and electrical equipment to generally eliminate the use of 6 substances from equipment.

On July 22, 2019 the EU Commission new Directive (EU) 2015/863 that added four phthalates* to the list of restricted substances bringing the list to a total of ten went into effect.

These substances are:

- Lead and its compounds
- Mercury and its compounds
- Cadmium and its compounds
- Chromium VI and its compounds (hexavalent chromium)
- PBB (polybrominated biphenyls)
- PBDE (polybrominated biphenyl ether)
- DEHP Bis(2-Ethylhexyl) phthalate*
- BBP Benzyl butylphthalate*
- DBP Dibutylphthalate*
- DIBP Diisobutylphthalate*

By far the most significant issue of environmental impact which motivated this initiative was the use of these substances in electrical soldering materials. Illustrative of this is the specific exclusion of any restriction of cadmium when used as a component of paint.

Although we at Precision Associates produce only molded rubber products, which are not truly the intended targets of the European legislation, we have received numerous inquiries as to whether our products are "RoHS compliant."

We produce thousands of different products. The vast majority of these products contain NONE of the restricted substances. Customers concerned about RoHS compliance should inquire with Customer Service at the time of quotation to ensure that the proper materials are selected.

Precision Associates' materials that meet RoHS requirements contain a statement to that fact on the Product Data Sheet for the compound and will also have this symbol:



D20TB112d

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Precision Associates' RoHS 3 compounds are available in these products:

- ***Standard O-Rings***
- ***Special Size O-Rings***
- ***U-Cups***
- ***V-Rings***
- ***Rod Wipers***
- ***X-Rings***
- ***8-Rings™***
- ***Multiseal® Low Friction Seals***
- ***Kurv-Bak™ Hard Rubber Backup Rings***
- ***Rubber Balls***
- ***Custom Moldings***

After 60+ years in the rubber business, we've learned to be flexible. We'll bend over backwards to design custom solutions that meet your needs *precisely*. PAI is the company you can trust for sealing solutions YOUR WAY!

- | | |
|----------------------------------|---------------------------------|
| • Over 1,000 different compounds | • Custom Molding |
| • More than 2,500 O-Ring Sizes | • 99% on-time delivery |
| • In-house mold shop | • ISO14644-1 Class 7 Clean room |

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