



## TECHNICAL BULLETIN

# RoHS

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 sold after July 1, 2006. 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)

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. But among our nearly one thousand different rubber formulations we do sell 49 compounds that do contain some amounts of the restrictive substances, specifically either lead or cadmium. A complete list of these materials is published on page 2 of this document. When our Customer Service personnel supply a quote to you for any product made of these materials, they are trained to inform you of "RoHS non-compliance" and similar disclaimers will appear on your packing list.

We sell several compounds that have a cadmium-containing pigment. The ONLY function of this pigment is to impart a specific color to the products. We sell essentially equivalent materials with alternative pigments that are fully RoHS-compliant. The color might be slightly less brilliant, but the material is otherwise completely equivalent.

Precision Associates materials that meet RoHS requirements contain a statement to that fact on the Product Data Sheet for the compound. You may request one from your Customer Service Representative.

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Continued

Complete list of Precision Associates' compounds **not** meeting RoHS requirements

Compound	Polymer
14601	Hypalon <sup>®</sup>
14605	Hypalon <sup>®</sup>
14701	Hypalon <sup>®</sup>
14765	Hypalon <sup>®</sup>
19308	Silicone
19331	Silicone
19335	Silicone
19403	Silicone
19418	Silicone
19517	Silicone
19522	Silicone
19530	Silicone
19559	Silicone
19566	Silicone
19600-11	Silicone
19609	Silicone
19623	Silicone
19628	Silicone
19664	Silicone
19665	Silicone
19700-07	Silicone
19714	Silicone
19742	Silicone
19751	Silicone

Compound	Polymer
20554	Fluorosilicone
20664	Fluorosilicone
20665	Fluorosilicone
20666	Fluorosilicone
32501	Hydrin <sup>®</sup>
32601	Hydrin <sup>®</sup>
32615	Hydrin <sup>®</sup>
32701	Hydrin <sup>®</sup>
32703	Hydrin <sup>®</sup>
32762	Hydrin <sup>®</sup>
32775	Hydrin <sup>®</sup>
32801	Hydrin <sup>®</sup>
32820	Hydrin <sup>®</sup>
32915	Hydrin <sup>®</sup>
619714	Silicone
8545	Viton <sup>®</sup>
8626	Viton <sup>®</sup>
8645	Viton <sup>®</sup>
8700-02	Viton <sup>®</sup>
8700-08	Viton <sup>®</sup>
8745	Viton <sup>®</sup>
8781	Viton <sup>®</sup>
8945	Viton <sup>®</sup>

Precision Associates materials that meet RoHS requirements contain a statement to that fact on the Product Data Sheet for the compound. You may request one from your Customer Service Representative.

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