

## **RoHS Directive Compliance**

### **General**

“**RoHS**” stands for “**R**estriction of **H**azardous **S**ubstances”, as defined by the European Union Directive # 2002/95/EC dated 27-Jan-2003. This Directive is a legal document that prohibits, effective July 1, 2006, new electrical and electronic equipment put on the market in the European Union from containing any lead, mercury, cadmium, hexvalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE).

The “RoHS” Directive compliments the European Union “**W**aste **E**lectrical & **E**lectronic **E**quipment” (**WEEE**) directive.

### **APM Hexseal’s Commitment**

APM Hexseal’s products represent more than 50 years of research and product development. We strive to provide products and services that exceed our customers’ expectations and are committed to helping our customers select products that will meet the RoHS directive, as well as help you comply with the WEEE directive.

Following is general guidance information. APM Hexseal supplies many custom products and finishes. Please consult with us regarding any questionable materials and/or finishes.

### **Toggle & Pushbutton Switch Boots:**

Standard threaded inserts are nickel-plated brass or stainless steel and are RoHS compliant. The protective boots are silicone rubber and are RoHS compliant.

### **Rotary Shaft Seals:**

Standard threaded inserts are nickel-plated or black oxide-finished brass or stainless steel and are RoHS compliant. The shaft seals are silicone rubber and are RoHS compliant.

### **Economy “Snapseals” Switch & Rotary Shaft Seals:**

Standard threaded inserts are aluminum and are RoHS compliant. The shaft seals are neoprene rubber and are RoHS compliant.

### **“Seeloc” Self-Sealing Washers:**

Standard washer material is stainless steel and is RoHS compliant. The seals are silicone rubber and are RoHS compliant.

### **“Seelings” Molded Elastomeric O-Rings:**

Standard retainer material is stainless steel and is RoHS compliant. The O-rings are either silicone or fluoro-silicone rubber, Viton A, Buna N, Neoprene, Ethylene Propylene (EPDM) or hydrogenated nitrile and are RoHS compliant.

**“Seelskrew”, “Seelbolt” and “Seelnut” Fasteners:**

Threaded parts are either nickel-plated brass, zinc-plated steel or stainless steel and are RoHS compliant. The sealing rings are silicone rubber and are RoHS compliant.

**“Seelrivets” High-pressure, Self-sealing Rivets:**

Rivet material is anodized aluminum or stainless steel and is RoHS compliant. The sealing rings are silicone rubber and are RoHS compliant.

**Sealing Boots for Lever-Actuated Circuit Breakers:**

The sealing boot is silicone rubber and is RoHS compliant. Effective February 1, 2005, the frame/ flange will be manufactured using zinc-plated steel, which is RoHS compliant. Prior to this date, the frame/flange material being used is cadmium-plated steel, which is not RoHS compliant. In order to avoid the possibility of being shipped cadmium-plated product already in stock, if you need this product to comply with RoHS, please state this requirement on your purchase order.

**Future Compliance**

The European Union reserves the right to modify any directives. APM Hexseal will continue to monitor applicable European Union directives. Please do not hesitate to contact us regarding any of your compliance requirements.

**Links to European Union RoHS & WEEE Directives**

For the exact wording of the RoHS and WEEE Directives, see the following Internet links:

[http://europa.eu.int/eur-lex/pri/en/oj/dat/2003/l\\_037/l\\_03720030213en00190023.pdf](http://europa.eu.int/eur-lex/pri/en/oj/dat/2003/l_037/l_03720030213en00190023.pdf)

[http://europa.eu.int/eur-lex/pri/en/oj/dat/2003/l\\_037/l\\_03720030213en00240038.pdf](http://europa.eu.int/eur-lex/pri/en/oj/dat/2003/l_037/l_03720030213en00240038.pdf)