

Declaration of RoHS Compliance

Product Listing

This declaration refers to the following product families:

- SA Series Piezoelectric Stack Actuators, i.e. Product Codes: SAxxxxxx
- SR Series Piezoelectric Ring Stack Actuators, i.e. Product Codes: SRxxxx
- SCL Series Closed Loop Stack Actuators, i.e. Product Codes: SCLxxxxxx
- BA Series Piezoelectric Bender Actuators, i.e. Product Codes: BAxxxx
- TB Series Piezoelectric Tube Actuators, i.e. Product Codes: TBxxxx

2011/65/EU and (EU) 2015/863 (RoHS)

PiezoDrive Pty Ltd declares under its own responsibility that the product families listed above are compliant with the RoHS Directive (EU Directive 2002/95/EC and subsequent amendments). That is, the substances restricted by the EU Directive 2011/65/EU (RoHS2) and EU Directive 2015/863/EU (RoHS3) and subsequent amendments of the European Parliament are not contained in a finished product above threshold limits stated below, except at trace level due to unintentional impurities.

EU RoHS specifies maximum levels for the following ten restricted substances. The first six applied to the original RoHS while the last four are added under RoHS3, from May 2020. Referring to Annex III, Exemption 7(c)-I, lead is exempted in piezoelectric devices:

Annex III, Exemption 7(c)-I: “Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound”

Substance	Requirement	Status
Cadmium (Cd)	< 100 ppm (0.01%)	Not Contained
Lead (Pb)	< 1000 ppm (0.1%)	Contained – Exemption 7(c)-I
Mercury (Hg)	< 1000 ppm (0.1%)	Not Contained
Hexavalent Chromium (Cr VI)	< 1000 ppm (0.1%)	Not Contained
Polybrominated Biphenyls (PBB)	< 1000 ppm (0.1%)	Not Contained
Polybrominated Diphenyl Ethers (PBDE)	< 1000 ppm (0.1%)	Not Contained
Bis(2-Ethylhexyl) phthalate (DEHP)	< 1000 ppm (0.1%)	Not Contained
Benzyl butyl phthalate (BBP)	< 1000 ppm (0.1%)	Not Contained
Dibutyl phthalate (DBP)	< 1000 ppm (0.1%)	Not Contained
Diisobutyl phthalate (DIBP)	< 1000 ppm (0.1%)	Not Contained

Table 1. Restricted Substances

Declaration of EU REACH Compliance

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1907/2006/EC (REACH)

Under Article 33.1 of the European Union REACH Regulation (EC) No 1907/2006 suppliers will inform customers of any substances above 0.1% by weight, which are classified as Substances of Very High Concern (SVHC), the [candidate list published by the European Chemicals Agency \(ECHA\)](#).

PiezoDrive declares that the product families listed above contain above 0.1% W/W of Lead titanium zirconium oxide (CAS number 12626-81-2). This substance will not be released during normal usage and does not require special preventive measures, unless the article is mechanically processed. Products can be disposed of in accordance with the relevant regulation on waste electrical and electronic equipment.

For all enquiries regarding RoHS and REACH compliance, please follow the Contact link on www.PiezoDrive.com



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Quality Control Manager

PiezoDrive Pty Ltd
1/45 Honeysuckle Drive
Newcastle, NSW 2300
Australia
www.PiezoDrive.com