



## Hazardous Substances Directive 2011/65/EU

Currently, all products produced by Sun Hydraulics meet the Hazardous Substance Directive (2011/65/EU).

This Directive covers the Restriction of Hazardous Substances (RoHS) compliance covering the use of certain hazardous materials in electrical equipment designed for use with a voltage rating not exceeding 1000 Vac and 1500 Vdc. The intent of this Directive is to discourage electrical/electronic equipment use of heavy metals, to combat environmental pollution, and to protect human health.

The original Directive (2002/95/EC) took effect on 1 July 2006, and the latest change, 2011/65/EU, took effect on 3 January 2013. It is focused on mercury, cadmium, lead, chromium VI (hexavalent), PBB (poly-brominated biphenyls), and PBDE (poly-brominated diphenyl ether), the last two classified as fire retardants.

Decision 2005/618/EC allows a maximum concentration of 0.1% by weight in homogeneous materials for lead, mercury, hexavalent chromium, poly-brominated biphenyls (PBB) and poly-brominated diphenyl ethers (PBDE), and 0.01% by weight in homogeneous materials for cadmium. Homogeneous material means a material that cannot be mechanically disjoined into different materials. There are many exemptions to the Directive listed in Annex III and IV — e.g., mercury is allowed in fluorescent and other discharge lamps to promote ignition.