

# RoHS 2011/65/EU with 2015/863, (EU) 2017/1011

## ATX Hardware



RoHS stands for Restriction of the use of certain Hazardous Substances.

The legal basis for RoHS is the EU Directive 2011/65/EU. The RoHS Directive, which came into force on July 21, 2011, was published accordingly in the Official Journal of the European Union on July 1, 2011, and thus sets out provisions for the restriction of the use of hazardous substances in electrical and electronic equipment. In Germany, the RoHS Directive was implemented by the Electrical and Electronic Equipment Substances Ordinance (ElektrStoffV).

According to Article 3 (1) of the RoHS Directive, electrical and electronic equipment is equipment that is dependent on electric currents or electromagnetic fields for its proper operation and equipment for the generation, transmission and measurement of such currents and fields that is designed for operation with alternating current of not more than 1,000 volts or direct current of not more than 1,500 volts. This excludes electrical and electronic equipment designated in Article 2(4), such as large-scale fixed installations.

Manufacturers or importers of electrical and electronic equipment ensure that electrical or electronic equipment placed on the market complies with the applicable EU requirements, affix a CE marking to the finished product and issue an EU declaration of conformity.

In Annex II of the RoHS Directive, six substances subject to restrictions and maximum permitted concentrations in homogeneous materials in percent by weight have been identified for electrical and electronic equipment placed on the market that falls into the categories listed in Annex I. The Directive also provides for the use of certain hazardous substances in electrical and electronic equipment.

By the Delegated Directive (EU) 2015/863 of 31.03.2015, amending Annex II of Directive 2011/65/EU as regards the list of substances subject to restrictions, which enters into force on 22.07.2019, the list of restricted substances was amended and supplemented by four additional substances.

The list of substances subject to restrictions now contains ten substances with the following maximum permitted concentrations:

- 0,1 Gewichtsprozent (= 1.1000 ppm) je homogener Werkstoff für:
  - Blei
  - Quecksilber
  - Sechswertiges Chrom
  - Polybromierte Biphenyle (PBB)
  - Polybromierte Diphenylether (PBDE)
  - Di (2-ethylhexyl) phthalat (DEHP)
  - Butylbenzylphthalat (BBP)
  - Dibutylphthalat (DBP)
  - Diisobutylphthalat (DIBP)
- 0,01 Gewichtsprozent (= 100 ppm) je homogener Werkstoff für:
  - Cadmium

# RoHS 2011/65/EU with 2015/863, (EU) 2017/1011 ATX Hardware



Annex III of the RoHS Directive defines uses exempted from the restriction of Article 4, paragraph 1. Among others, the use of lead as an alloying element is allowed with the following maximum concentration values:

- 6a: 0.35 percent by weight (= 3,500 ppm) for: Lead as an alloying element in steel
- 6b: 0.40 weight percent (= 4,000 ppm) for: Lead as an alloying element in aluminum
- 6c: 4.00 weight percent (= 40,000 ppm) for: Lead as an alloying element in copper

The objective of the RoHS Directive is to contribute to the protection of human health and the environment, including the environmentally sound recycling and disposal of waste electrical equipment. ATX Hardware GmbH West conPagers this fundamental social objective to be desirable and indispensable. Therefore at the ATX Hardware GmbH West business decisions and actions are always checked for environmentally relevant aspects and effects.

We do not routinely test for the presence of restricted substances and analytical monitoring of possible contamination is not part of our incoming or outgoing inspection. Many substances are widely used and therefore can potentially be detected as contaminants in the product.

Irrespective of the validity of the RoHS Directive for our products, we declare to our knowledge and against the background of the information provided by our suppliers that the products placed on the market by ATX Hardware GmbH West do not contain any substances in concentration and application that are prohibited according to the applicable requirements of the EU Directive 2011/65/EU and its amendments, including the Delegated Directives (EU) 2015/863 and (EU) 2017/1011.

Our products include the application of applicable exemptions of Annex III of EU Directive 2011/65/EU. Our products mainly apply exemptions 6a, 6b and 6c.

Our environmentally friendly packaging - sliding boxes and bags - are made of acrylonitrile butadiene styrene (ABS) and polyethylene (PE).

Regarding the return of components to the manufacturing cycle, ATX Hardware GmbH West offers its customers to dispose of used contact pins and contact sleeves free of charge.

This letter was created electronically and is valid without signature.

ATX Hardware GmbH West

The management

Pürgen, January 2024

Addendum:

In general usage you often hear the terms RoHS-1, RoHS-2 or RoHS-3. With RoHS-1 is meant the EU Directive 2002/95/EU, which was repealed with effect from 3.01.2013 by the EU Directive 2011/65/EU. RoHS-2 refers to EU Directive 2011/65/EU and RoHS-3 refers to the amendment of EU Directive 2011/65/EU by EU Directive (EU) 2015/863 regarding the list of restricted substances.