Pb
Cd
Hg
Cr⁶
PBB
PBDE

Are your products in conformity with RoHS?

RoHS Compliance

Why RoHS?

RoHS is the European Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment. The substances regulated under the RoHS include:

- Lead
- Cadmium
- Chrome (VI)
- Mercury
- Brominated flame retardants (PBB and PBDE)

Apart from the substance bans the Directive also includes two exemption lists (Annex III and IV), which allow continued use of the regulated substances under special conditions. These exemptions apply for a period defined in Article 5.

The RoHS is implemented in Germany as the „Regulations on restriction of the use of hazardous substances in electrical and electronic equipment" (ElektroStoffVerordnung). In addition, other international „RoHS" legislation applies in China, California, Korea, India and Turkey.

Manufacturers of electrical and electronic components and equipment are therefore increasingly faced with different, dynamic requirements concerning banned substances.

Manufacturers' obligations

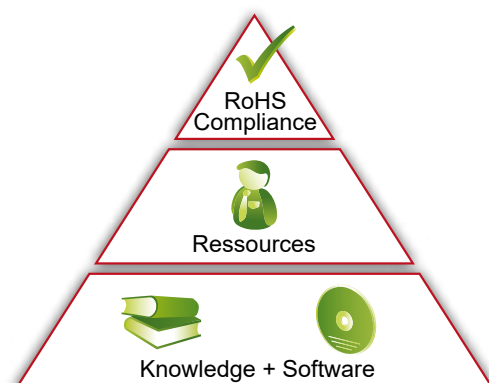To demonstrate RoHS conformity, product manufacturers must implement the following requirements:

- Compliance with the specified substance bans
- Preparation of technical documentation
- Issue of an EU Declaration of Conformity

Each manufacturer must therefore know precisely which materials are used in their products.

Why tec4U?

tec4U solutions helps you to consistently and logically monitor and document the substances and materials used along the supply chain and therefore ensures you achieve legally safe conformity of your products.

To ensure RoHS implementation, tec4U solutions offers many years of experience and supports you with engineering knowledge, operative data service and suitable software tools.

RoHS Compliance

Ressources

Knowledge + Software

- ▸ RoHS process integration
- ▸ RoHS data service
- ▸ RoHS software
- ▸ RoHS trainings
- ▸ Complete RoHS coordination

Our services include the following in detail:

RoHS process integration

Within a process workshop, operative and process measures for implementation of RoHS are discussed with all the affected departments, defined and the necessary resources are allocated.

RoHS risk analyses

As part of the RoHS risk analysis, your suppliers and products (bought-in parts, materials, etc.) are assessed with regard to their material compliance risk. As a result, the suppliers and their products are assigned to various hazard classes and in the further implementation are prioritised according to an action recommendation.

RoHS data service

- Material data management (searching, creating, checking and sending material data)
- Communication with suppliers and customers
- Data input in DataCross or third party or in-house systems
- Chemical analyses
- Implementation of substitution programmes

RoHS compliance certificates

To demonstrate the RoHS conformity of your bought-in parts/materials, we search for all the information from your suppliers for you. When all the data is available, we draw up a compliance certificate for you, which confirms the conformity of your products.

RoHS software: DataCross

We developed the DataCross software to make supplier communication easier and more efficient (www.data-cross.de). With DataCross you can automatically request information on the material compliance of your products from your suppliers, evaluate it and archive it centrally.

Implementation of IEC63000

This standard is an implementation aid for creating a technical documentation and assurance of substance restrictions such as RoHS. The standard's specifications for the required communication and documentation process are comprehensively covered in DataCross.

RoHS training

The training makes your employees aware of the legal requirements and explains what has to be done. We give you an overview of all the obligations that can result for you from the RoHS Directive and point out the possible consequences.

Complete RoHS coordination

On request we also take on all your RoHS obligations by providing an external material compliance coordinator.

If you have any questions about RoHS Compliance please contact **Markus Glauben**, who will be pleased to help you.

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