

ams OSRAM Declaration of Conformity Substances in Products

Legal Requirements and Standards for the EU market

Declaration Scope:

OSRAM GmbH Divisions Automotive and Digital (AMSP)

Placing on the market of products is subject to specific regional (EU) or national legal requirements. Within the European Union (EU), these legal requirements are defined in EU-Regulations which are directly enforceable in the Member States or in EU-Directives which require a transformation into Member States' national legal systems. Compliance with the applicable legal requirements is obligatory for every party putting products on the EU-Market. Therefore, OSRAM bears responsibility.

The following Directives and Regulations restrict the use of hazardous substances in products and packaging (see also: Product Stewardship Lamps and Systems):

- **Directive 2011/65/EU ("RoHS")**
(see also https://ec.europa.eu/environment/topics/waste-and-recycling/rohs-directive_en
RoHS conformity is also part of the below mentioned CE labelling scheme)
- **Directive 2000/53/EC ("End-of-life vehicles – ELV")**
- **Directive 94/62/EC ("Packaging Directive")** including amendments
- **Directive 2006/66/EC ("Battery Directive")** including amendments
- **Regulation (EC) No 1907/2006 ("REACH")** including declaration of "Substances of Very High Concern" (Art. 33, Annex 15), authorisation (Annex 14) and restriction (Art. 67, Annex XVII) of certain substances.
- **Directive 2008/98/EC (Waste Framework Directive)** incl. amendment EU 2019/851 referring to the SCIP database (Substances of Concern in Products) of the European Chemical Agency (ECHA)
- **Regulation (EU) 2019/1021 (Persistent Organic Pollutants, POP)**
- Regulation (EU) 2017/852 implementing UNEP Minamata Convention ("Mercury Regulation")
- **US EPA Toxic Substances Control Act (TSCA)**

As far as applicable our products fulfil the relevant legal requirements of above regulations.

The **CE mark** on our products indicates conformity with Directives and Regulations covering product safety, electromagnetic compatibility, and product performance. Conformity with the following and all other CE relevant regulations is attested in separate EC Declarations of Conformity:

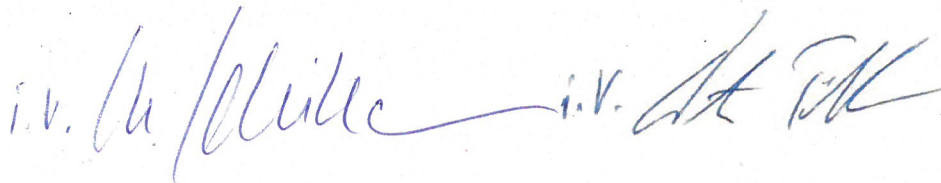
- Directive 2014/35/EU ("Low Voltage Directive - LVD")
- Directive 2014/30/EU ("Electromagnetic Compatibility Directive - EMC") Recast of 2004/108/EC
- Directive 2009/125/EC ("Energy related Products" Framework Directive)
and its Implementing Measures:
 - Regulation (EU) 2019/2020 Ecodesign requirements for light sources and separate control gears
 - Regulation (EU) 2019/2015 Labelling requirements for light sources (Energy Labelling Regulation)

ams OSRAM Declaration: RoHS Directive incl. amendments

- Products delivered by OSRAM GmbH Division Digital and Automotive (AMSP) into the EU-Market today and in the future satisfy the applicable legal requirements, as well as the applicable product standards (EN/IEC).
- We installed a system within our company ensuring compliance with the applicable legal requirements. This system includes products, parts and materials procured from suppliers.
- According to Directive 2011/65/EU ("RoHS") including amendment of Annex II (2015/863/EU) ams OSRAM products delivered into EU market do not contain the following substances exceeding defined maximum concentration values, unless in an application exempted by Annex of RoHS Directive (incl. amendments).

Substances / application	Maximum concentration values by weight in homogeneous materials
Lead (Pb)	0.1 %
Mercury (Hg)	0.1 %
Cadmium (Cd)	0.01 %
Hexavalent chromium (Cr ⁶⁺)	0.1 %
Polybrominated biphenyls (PBB) Polybrominated diphenyl ethers (PBDE)	0.1 %
Bis(2-ethylhexyl) phthalate (DEHP)	0.1 %
Benzyl butyl phthalate (BBP)	0.1 %
Dibutyl phthalate (DBP)	0.1 %
Diisobutyl phthalate (DIBP)	0.1 %

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The information provided in this statement represents our knowledge and belief as of the date that it is provided. We base our knowledge and belief on information provided by third parties and make no representation or warranty as to the accuracy and shall have no liability for the consequences of use of such information. We have taken and continue to take reasonable steps to provide representative and accurate information but may not have conducted destructive testing or chemical analysis on incoming materials and chemicals. We and our suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.

ams OSRAM has discontinued the Digital Systems business including the product families LED Light Engines and Modules, Light management systems, LED Drivers, Electronic Control Gears, Linear Flexible and Area Lighting.
Information on these product families can be found here: [Inventronics GmbH – OSRAM products](#)