



AURORA

LICHTWERKE

INDEX LIST ENVIRONMENT

(Stand: August 2020)

AURORA strives to work with its stakeholders to protect our environment, care for our communities and promote sustainability within the lighting industry. Thus, it is a top goal at AURORA to avoid environmentally hazardous substances in our products and their packaging.

Electrical and Electronic Equipment (EEE) is subject to specific (inter)national legislations concerning hazardous substances, for instance laws, regulations, restrictions and bans. The compliance with the legal obligations is a responsibility borne by either AURORA or its customers when placing products on the respective market. In addition, AURORA faces specific customer requirements regarding both substances content and documentation of its products.

Equipment, parts and materials supplied to AURORA can be, inter alia, subject to:

- worldwide Restrictions of Hazardous Substances in EEE (RoHS) (e. g. EU RoHS, see http://ec.europa.eu/environment/waste/rohs_eee/legis_en.htm)
- worldwide restrictions on chemical substances (REACH) (e. g. regulation (EC) No. 1907/2006, see http://ec.europa.eu/environment/chemicals/reach/reach_en.htm)
- restrictions defined in Stockholm Convention on POPs (e. g. regulation (EC) No. 850/2004)
- restrictions defined in the Montreal Protocol on ODS (e. g. regulation (EC) No. 1005/2009)
- restrictions for packaging defined in Directive 94/62/EC (EU Packaging Directive)
- restrictions for packaging defined in U.S. Model Toxics in Packaging Legislation
- restrictions defined in Directive 2006/66/EC (EU battery Directive)
- the labeling of rechargeable batteries as defined in 42 U.S. Code § 14322

This document, the **AURORA Index List Environment**, defines AURORA's minimum requirements towards its suppliers regarding substances in products and packaging. It focusses on restricted and declarable substances that can be expected in electrical and mechanical products manufactured under common production conditions. AURORA follows the assessments of BOMcheck® that provide a comprehensive list of relevant substances by following link: <https://www.bomcheck.net/en/suppliers/restricted-and-declarable-substances-list>.

The below **Supplier's Verification** regarding restrictions, avoidance and declaration of substances in products is a part of AURORA's environmental management system and a foundation of the supplier evaluation. AURORA expects its suppliers to complete the declaration accurately. Additional information requested within the declaration shall be provided quickly and unsolicited by the supplier.

Please send the signed document back to the person that requested it from you!

In case of questions regarding the content of this document please contact environment@aurora-licht.de

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AURORA

LICHTWERKE

Supplier's Verification regarding restrictions, avoidance and declaration of substances in products

This Supplier's Verification is a self-disclosure declaration that must be completed and signed by suppliers of products, parts and materials that are delivered to AURORA Lichtwerke GmbH and affiliated companies (hereinafter referred to as AURORA).

Supplier		
Address		
Responsible Person	Name	
	Title	
	Phone	
	Email	

The supplier confirms with signing this document

1. Quality Management System

A quality management system is installed in the supplier's company that ensures compliance with legal requirements regarding the use of substances in parts, products and materials (hereinafter referred to as Product or Products) and packaging, including products, parts and materials procured from sub-suppliers. The supplier is able to provide relevant documentation about his installed system immediately on request.

2. Compliance of deliveries with statutory provisions

Products and packaging supplied to AURORA today or in the future are generally in conformity with applicable restrictions as specified by BOMcheck® (see <https://www.bomcheck.net/en/suppliers/restricted-and-declarable-substances-list>), except stated otherwise below, so that the use of supplier's deliveries in products manufactured and distributed by AURORA or its customers does not cause any violation of any applicable, specified substance restriction. We agree to provide on individual AURORA request(s) further documents verifying the compliance of Products, e. g. individual Product declarations or 3rd party test reports. Our Products and packaging are, among others, in conformity with following statutory provisions (please mark boxes with a cross where applicable):

2.a RoHS Compliance

Substance	Limit
Lead (Pb)	0.1 %
Mercury (Hg)	0.1 %
Chromium VI (Cr(VI))	0.1 %
Cadmium (Cd)	0.01 %
PBB	0.1 %
PBDE	0.1 %
DEHP	0.1 %
BBP	0.1 %
DBP	0.1 %
DIBP	0.1 %



AURORA

LICHTWERKE

- Products we supply to AURORA today or in the future **do not exceed** the limits of restricted substances (Pb, Hg, Cr(VI), Cd, PBB, PBDE, DEHP, BBP, DBP and DIBP) as specified in the Directive 2011/65/EU, including its latest amendments, unless an exemption specified in its Annex III is applied. In latter case, we will provide immediately a list specifying the exemptions applied for each individual Product design. We are aware that as an upstream supplier of electrical industry, we are committed to supply ROHS compliant Products.
- Products we supply to AURORA today or in the future **exceed** the limit of at least one restricted substance as specified in the Directive 2011/65/EU, including its latest amendments, and no exemption of its Annex III is applied.

The substance(s) is/are:

- DEHP, BBP, DBP or DIBP
- Pb, Hg, Cr(VI), Cd, PBB or PBDE

2.b REACH Compliance

We are aware that we are legally obligated by article 33 of Regulation (EC) No. 1907/2006 to inform AURORA if any of the Products and packaging we supply to AURORA today or in the future consists of any article* that contains any of the Substances of Very high Concern (SVHC) listed in Annex XIV of the Regulation in concentrations > 0.1% (w/w). An article is any item with a special shape, surface or design that determines its function to a greater degree than its chemical composition (e.g. screw, resistor, wire). We are explicitly referred to the unsolicited and independent obligation to comply with the above notification requirements. It is our responsibility to present the burden of proof of having taken all necessary measures to comply with the obligation. We will provide AURORA for each affected Product or packaging component the information to allow its safe use, but at minimum the name of SVHC, its concentration and its total mass per single Product or packaging component. We agree to provide upon request such data in a format given by AURORA.

* For further guidance on what is considered an article under the REACH Regulation please refer to the ECHA Guidance published at https://echa.europa.eu/documents/10162/23036412/articles_en.pdf/cc2e3f93-8391-4944-88e4-efed5fb5112c

- Products and packaging we supply actually to AURORA **do not contain** any SVHC listed in Annex XIV of Regulation (EC) No. 1907/2006 (see <http://echa.europa.eu/web/guest/candidate-list-table>).
- Products or packaging we supply actually to AURORA **contain** one or more SVHC listed in Annex XIV of Regulation (EC) No. 1907/2006 (see <http://echa.europa.eu/web/guest/candidate-list-table>). We will provide immediately a corresponding list including all information requested by AURORA.

We are aware that article 67 and Annex XVII of Regulation (EC) No. 1907/2006 define restrictions for the use of certain substances based on their application. We confirm, that we supply to AURORA today or in the future only Products and packaging components which are in conformity with article 67 of Regulation (EC) No. 1907/2006. Our Products and packaging components meet, among others, the restrictions for substances

- that can be found generally in hardware articles.

Asbestos	No intentionally added content
Monomethyl dibromodiphenyl methane	
Monomethyl dichlorodiphenyl methane	
Monomethyl tetrachlorodiphenyl methane	
Polychlorinated terphenyls (PCTs)	
Perfluorooctanoic acid and its salts (PFOA)	< 0.0000025 % w/w (25 ppb)
Dimethyl Fumarate	< 0.00001 % w/w (0.1 mg/kg)
Dibutyltin (DBT) compounds	< 0.1 % by weight of tin in a material
Tri-substituted organostannic compounds	
Tar oils and creosotes	Prohibited in wood parts

- that are restricted in parts to get into contact with skin.

PAHs (benzo[a]pyrene, benzo[e]pyrene, benzo[a]anthracene, benzo[b]fluoranthene, benzo[j]fluoranthene, benzo[k]fluoranthene, chrysene, dibenzo[a,h]anthracene)	< 0.0000025 % w/w (25 ppb)
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AURORA

LICHTWERKE

- that are restricted in parts containing substances or mixtures (e. g. liquids, gases, powders).

Benzene	< 0.1% w/w in any substance or mixture
Pentachlorophenol	
Nonylphenol and nonylphenol ethoxylates	

2.c Compliance with other legislations

- We are aware that Regulation (EC) No. 850/2004, as implementation of the Stockholm Convention on Persistent Organic Pollutants (POPs), restricts the use of certain POPs. We confirm, that we supply to AURORA today or in the future only Products and packaging which are in conformity with Regulation (EC) No. 850/2004.

These are among others:

Perfluorooctane sulfonic acid (PFOS)	< 0.1 % w/w
Hexabromocyclododecane (HBCDD)	< 0.01 % w/w
Alkanes C10 - C13 (short-chain chlorinated paraffins) (SCCPs)	< 0.15 % w/w
Polychlorinated biphenyls (PCBs)	
Polychlorinated naphthalenes	No intentionally added content

- We are aware that some national legislations (e. g. ChemVerbotsV in Germany) restrict the use of certain substances. We confirm, that we supply to AURORA today or in the future only Products and packaging not containing formaldehyde, pentachlorophenol (PCP) or polychlorinated/ polybrominated dioxins and furans.
- We are aware that radioactive substances underly strong regulations worldwide (e. g. Directive 2013/59/EURATOM). We confirm, that we supply to AURORA today or in the future only Products and packaging to which radioactive substances have not been added deliberately.
- We are aware that Products and packaging containing substance or mixtures (e. g. liquids, gases, powders) might be affected by Regulations (EC) No. 1005/2009 and (EC) No. 517/2014, implementing the Montreal Protocol on Ozone Depleting Substances (ODS). We confirm, that we supply to AURORA today or in the future only Products and packaging not containing ODS or Fluorinated Greenhouse Gases (PFC, SF6, HFC).
- The Products we supply to AURORA today or in the future do not exceed the limits for the 18 PAH according to AfPS GS 2014:01 PAK (voluntary Germany certification mark - GS). (not applicable for packaging)

Benzo[a]pyrene Benzo[e]pyrene, Benzo[a]anthracene, Benzo[b]fluoranthene, Benzo[j]fluoranthene, Benzo[k]fluoranthene Dibenzo[a,h]anthracene Benzo[ghi]perylene Chrysene, Indeno[1,2,3-cd]pyrene	Each PAH < 0.5 mg/kg	Acenaphthylene Acenaphthene Fluorene Phenanthrene Pyrene Anthracene Fluoranthene	Sum of / 7 PAH < 10 mg/kg
		Naphthalene	< 2 mg/kg
		Sum of all / PAH	< 10 mg/kg

2.d Further packaging and packaging waste requirements

- Packaging and packaging components of Products we supply to AURORA today or in the future comply with EC Directive 94/62/EC on packaging and packaging waste. The sum of concentration levels of lead, cadmium, mercury and hexavalent chromium present in packaging and packaging components does not exceed 0.01 % by weight (100 ppm). We are aware of our legal obligation to reduce weight and volume of packaging to a minimum amount satisfying safety, hygiene and consumers' acceptance as well as to increase the usage of reusable or recoverable packaging.
- Packaging and packaging components of Products we supply to AURORA today or in the future comply with the U.S. Model Toxics in Packaging Legislation (enacted in 19 states) and do not contain deliberately lead, mercury, cadmium or chromium VI. Sum of accidental occurrence of the four heavy metals does not exceed 0.01 % by weight (100 ppm) in any packaging component.



AURORA

LICHTWERKE

2.e Battery requirements (not applicable for packaging)

- Products we supply to AURORA today or in the future comply with EC Directive 2006/66/EC on batteries and accumulators and waste batteries and waste accumulators. Our Products **do not exceed** the specified limits for mercury (0.0005% by weight) and cadmium (0.002% by weight) unless an exemption specified in article 4 of the Directive is applicable. Products we supply to AURORA meet all specified labeling requirements.
- Products we supply to AURORA today or in the future comply with the U.S. Code, Title 42, Chapter 137, Subchapter II, § 14322 – Rechargeable consumer products and labeling, and meet all specified labeling requirements.

AURORA reserves the right to verify supplier's compliance with the AURORA Index List Environment at any time or to have such verifications carried out by a third party. In case a violation of applicable laws or duties laid down in this document occurred after its signature, AURORA must be notified immediately. In case supplier fail to comply with the AURORA Index List requirements, AURORA reserves the right to take appropriate actions, including termination of business relationships.

Signature of responsible person, company stamp

Place, Date