



—  
your partner  
in sensor  
technology.

# E+E Elektronik List of Banned or Declarable Substances

This document gives an excerpt of applicable regulations concerning chemical substances that have been either banned or restricted in its uses. Dear valued supplier, please confirm that the products delivered to E+E Elektronik Ges.m.b.H., Langwiesen 7, 4209 Engerwitzdorf, Austria comply with the following regulations:

Regulation / directive	The products currently supplied to E+E Elektronik Ges.m.b.H are:
1.1 RoHS (2011/65/EU)	<input type="checkbox"/> Compliant <input type="checkbox"/> Not Compliant In the case that components (w/w) of the products are subjected to an exemption related to ROHS you need to fill in table 1 below.
1.2 China RoHS 2	<input type="checkbox"/> Compliant <input type="checkbox"/> Not Compliant In the case that a substance in components (w/w) of the products are above the limits, the substance must be indicated with its respective concentration in table 2 below. In this case it must be indicated how many years the product can be used as intended before there is a risk that the substances contained, regulated in their concentration, will leak out and pose a risk to the environment and health.
1.3 REACH (EC 1907/2006)	<input type="checkbox"/> Compliant <input type="checkbox"/> Not Compliant Components (w/w) of the products: <input type="checkbox"/> Contain <input type="checkbox"/> Do Not Contain substances of very high concern (SVHC) included in the latest list of substances in the version in force at the time of compiling this declaration and published by ECHA in a concentration above 0.1% by weight. List of SVHC substances is given in table 3.
1.4 WFD – SCIP (2006/12/EC)	Components (w/w) of the products: <input type="checkbox"/> Contain <input type="checkbox"/> Do Not Contain substances of very high concern (SVHC) included in the latest candidate list of substances in the version in force at the time of compiling this declaration and published by ECHA in a concentration above 0.1% by weight. Fill in list of SVHC substances in table 3 or list of SCIP numbers in table 4.

## E+E Elektronik List of Banned or Declarable Substances

Regulation / directive	The products currently supplied to E+E Elektronik Ges.m.b.H are:
1.5 Asbestos	<input type="checkbox"/> Asbestos free <input type="checkbox"/> Contain Asbestos
1.6 GADSL	<input type="checkbox"/> Compliant <input type="checkbox"/> Not Compliant
1.7 Dodd-Frank Act	<input type="checkbox"/> Compliant <input type="checkbox"/> Not Compliant <input type="checkbox"/> Attached document for CMRT in revision level
1.8 POP	<input type="checkbox"/> Compliant <input type="checkbox"/> Not Compliant
1.9 Cal Prop 65	<input type="checkbox"/> Compliant <input type="checkbox"/> Not Compliant
1.10 TSCA	<input type="checkbox"/> Compliant <input type="checkbox"/> Not Compliant
1.11 PFAS	Components of the product <input type="checkbox"/> Contain <input type="checkbox"/> Do Not Contain <input type="checkbox"/> Unknown PFAS (Per- and Polyfluoroalkyl substances) as defined by the OECD. If the information is not yet available, we expect this information the next time this survey is conducted.

Table 1: Compliance

To be applied is always the latest version of every regulation, even if no new version of this list is communicated by E+E.

## 1.1 RoHS

[https://en.wikipedia.org/wiki/Restriction\\_of\\_Hazardous\\_Substances\\_Directive](https://en.wikipedia.org/wiki/Restriction_of_Hazardous_Substances_Directive)

Substances regulated by the RoHS must not be used in concentrations above 0.1% (0.01% for Cd). This concentration refers to the homogeneous material in which the substance is used, not to the whole component or product. The directive can be found at

<https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32011L0065&from=DE>

All suppliers of E+E must fulfill these requirements by EU law.

Substances regulated by the RoHS are:

- *Lead (Pb)*
- *Mercury (Hg)*
- *Cadmium (Cd)*
- *Hexavalent chromium (Cr6+)*
- *Polybrominated biphenyls (PBB)*
- *Polybrominated diphenyl ether (PBDE)*
- *Bis (2-ethylhexyl) phthalate (DEHP)*
- *Butyl benzyl phthalate (BBP)*
- *Dibutyl phthalate (DBP)*
- *Diisobutyl phthalate (DIBP)*

E+E article number or product number	Product subjected to exemption	2011/65/EU Annex III exemption number	2011/65/EU Annex III exemption

Table 2: RoHS exemptions

Add additional list for more components.

## 1.2 China RoHS 2

[https://en.wikipedia.org/wiki/China\\_RoHS](https://en.wikipedia.org/wiki/China_RoHS)

21 Jan 2016, the Chinese Ministry of Industry and Information Technology (MIIT), published its final revised version of the Administrative Measures for the Restriction of the Use of Hazardous Substances in Electrical and Electronic Products (known as China RoHS 2).

E+E article number or product number	Product description	Substance	Number of years for risk free use

Table 3: RoHS exemptions

Add additional list for more components.

## E+E Elektronik List of Banned or Declarable Substances

### 1.3 REACH (EC 1907/2006)

<http://echa.europa.eu/de/information-on-chemicals/registered-substances>

The use of substances listed in the SVHC candidate list (Substances of Very High Concern) is not strictly forbidden, but should be avoided whenever possible, as they are considered dangerous to the health or the environment for one of the following reasons:

- They are carcinogenic, and/or mutagenic and/or toxic for reproduction;
- They are persistent, bio accumulative and toxic according to the criteria set out in Annex XIII to the REACH Regulation (PBT substances);
- There is "scientific evidence of probable serious effects to human health or the environment which gives rise to an equivalent level of concern"; such substances are identified on a case-by-case basis.

If the use in concentrations above 0,1% cannot be avoided, it has to be reported to E+E and the ECHA (European Chemicals Agency). This list is updated twice every year, the latest version can be found at <http://echa.europa.eu/de/candidate-list-table>

All suppliers of E+E must fulfill these requirements by EU law.

<b>E+E article number or product number</b>	<b>Product description</b>	<b>Candidate List Substance</b>	<b>CAS number</b>	<b>Components if SVHC is part of product</b>	<b>Concentration range</b>

Table 4: List of SVHC substances

Add additional list for more components.

E+E article number or product number	Product description	Candidate List Substance	CAS number	SCIP number

Table 5: List of SCIP numbers

Add additional list for more components.

### 1.4 WFD – SCIP (2006/12/EC)

<https://echa.europa.eu/scip>

The Waste Framework Directive (WFD) is a European Union Directive concerned with "measures to protect the environment and human health by preventing or reducing the adverse impacts of the generation and management of waste and by reducing overall impacts of resource use and improving the efficiency of such use". Since January 5<sup>th</sup>, 2021 information on products containing a SVHC substance at a concentration of > 0.1% by mass must be provided to SCIP database.

All suppliers of E+E must fulfill these requirements by EU law.

### 1.5 Asbestos

[https://en.wikipedia.org/wiki/Asbestos\\_and\\_the\\_law](https://en.wikipedia.org/wiki/Asbestos_and_the_law)

The mineral asbestos is subject to a wide range of laws and regulations that relate to its production and use, including mining, manufacturing, use and disposal. Injuries attributed to asbestos have resulted in both workers' compensation claims and injury litigation. Health problems attributed to asbestos include asbestosis, mesothelioma, lung cancer, and diffuse pleural thickening.

### 1.6 GADSL

<http://www.gadsl.org/>

The global automotive declarable substance list is a listing of substances that can be expected to be found in automotive products and that are either prohibited (P) or have to be declared (D) to the customer if used in connection to the automotive industry.

The list is regularly updated, the latest version can be found at <http://www.gadsl.org/>

### 1.7 Dodd-Frank Act (Conflict minerals)

[https://en.wikipedia.org/wiki/Conflict\\_minerals\\_law#United\\_States\\_law](https://en.wikipedia.org/wiki/Conflict_minerals_law#United_States_law)

When one or more of the metals Gold, Tin, Tantalum or Tungsten is used in a product this regulation by the United States SEC requires all companies listed at the New York Stock Exchange (NYSE) and their subsequent suppliers to declare and report the source of the minerals used to produce these metals. The goal is to use only metals sourced from conflict free smelters, this list can be found at

<https://www.responsiblemineralsinitiative.org/facilities-lists/smelter-reference-lists-export/>. Therefore, many companies outside of the US are also required to report the sourcing of these metals. The preferred method is the use of the Conflict Mineral Reporting Template (CMRT): <http://www.responsiblemineralsinitiative.org/reporting-templates/cmrt/>

### 1.8 POP Persistent organic pollutant (EU 2019/1021)

[https://en.wikipedia.org/wiki/Persistent\\_organic\\_pollutant](https://en.wikipedia.org/wiki/Persistent_organic_pollutant)

On April 29, 2004, Regulation EC 850/2004 established detailed requirements regarding the production, placing on the market, use and release of POPs for the member states of the EU. The aim of the regulation is to protect human health and the environment from POPs in accordance with the precautionary principle. 2019 came EU 2019/1021 into force, which replaced EC 850/2004.

List of substances subject to POPs Regulation can be found at <https://echa.europa.eu/list-of-substances-subject-to-pops-regulation>

All suppliers of E+E must fulfill these requirements by EU law.

## 1.9 California Proposition 65 (CP65)

[https://en.wikipedia.org/wiki/1986\\_California\\_Proposition\\_65](https://en.wikipedia.org/wiki/1986_California_Proposition_65)

Proposition 65 (formally titled The Safe Drinking Water and Toxic Enforcement Act of 1986) is a California law passed by direct voter initiative in 1986 by a 63%–37% vote. Its goals are to protect drinking water sources from toxic substances that cause cancer and birth defects and to reduce or eliminate exposures to those chemicals generally, such as consumer products, by requiring warnings in advance of those exposures.

## 1.10 Toxic Substances Control Act 1976 (TSCA)

[https://en.wikipedia.org/wiki/Toxic\\_Substances\\_Control\\_Act\\_of\\_1976](https://en.wikipedia.org/wiki/Toxic_Substances_Control_Act_of_1976)

An Act to regulate commerce and protect human health and the environment by requiring testing and necessary use restrictions on certain chemical substances, and for other purposes.

## 1.11 Per- and polyfluoroalkyl substances (PFAS)

[https://en.wikipedia.org/wiki/Per-\\_and\\_polyfluoroalkyl\\_substances](https://en.wikipedia.org/wiki/Per-_and_polyfluoroalkyl_substances)

Per- and polyfluoroalkyl substances (PFAS) are a large family of fluorocarbons. They're known as "forever chemicals" because they do not easily break down in the human body or in the environment. Restrictions or prohibitions for these substances are under discussion, regulations can be expected in the near future.

By signing this document, the supplier confirms being aware of the above regulations and fulfilling them to the best of his knowledge. Any changes regarding the state of compliance of the products supplied to E+E Elektronik will be communicated proactively.

Signature supplier representative

Name

Title

Company

Date

Place