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## **Art. 33 REACH and RoHS customer information**

### To whom it may concern

This is to serve as information for you in keeping with the European regulation on chemicals no. 1907/2006 (REACH), which came into effect on 1 June 2007.

In addition to this, you are given relevant information in keeping with RoHS directive 2011/65/EU the supplement II (Substance restrictions) of which was last extended by directive 2015/863/EU. This directive 2015/863/EU is often referred to as "RoHS 3" and adds the following substances to the list of restricted substances: **Bi (2-ethylhexyl) phthalate (DEHP)**, **butyl benzyl phthalate (BBP)**, **dibutyl phthalate (DBP)** and **di-isobutyl phthalate (DIBP)**.

As per REACH directive, ebm-papst Landshut GmbH is a downstream user and supplier of products and is therefore not obliged to comply with compulsory registration.

### 1. Information as per Art. 33 REACH

We as supplier of products are under obligation to provide information if a so-called candidate substance = substance of very high concern (svhc) included in the so-called candidate list – is present in a product at concentration of more than 0.1% weight by weight (REACH-VO, Art. 33). This candidate list is updated and published at regular intervals by the European Chemicals Agency (ECHA). We refer to the version dated 08 July 2021. Currently, one or more svhc are present in different components of our products in concentrations of more than 0.1% weight by weight. These are:

- **Lead oxide (CAS no. 1317-36-8)** with SMD diodes on PCBs of EC products.
- **N,N-dimethylacetamide (DMAc) (CAS no. 127-19-5)** with certain insulation materials in AC products.
- **Lead (CAS no. 7439-92-1)** is present in all our products at more than 0.1% w/w.
- **Dibortrioxide (CAS no. 1303-86-2)** with some electronic parts

- **4,4'-Isopropylidendiphenol (BPA) (CAS no. 80-05-7)** with certain shrinking tube
- **N,N-Dimethylformamid (CAS no. 68-12-2)** with PCB laminates FR4
- **Dodecamethylcyclotetrasiloxane D6 (CAS no. 540-97-6)** with certain silicone parts
- **Decamethylcyclotetrasiloxane D5 (CAS no. 541-02-6)** with certain silicone parts
- **Octamethylcyclotetrasiloxane D4 (CAS no. 556-67-2)** with certain silicone parts

**Current information on ECHA's SCIP database:** *The European Chemicals Agency (ECHA) is currently designing a database (SCIP database) in which suppliers most probably will have to provide further information on the article in addition to the information as per Art. 33 REACH. In future, communication of this information will also be required along the supply chain. Ebm-papst Landshut GmbH is following this development very closely and is introducing an implementation concept in this respect, for which we will contact our suppliers as soon as possible in order to ensure a satisfactory solution for all our customers.*

## 2. Information as per RoHS

As regards directive 2011/65/EU (Restriction of Hazardous Substances, RoHS) in its currently valid form (incl. RoHS 3), ebm-papst Landshut GmbH is not under obligation to disclose any information. However, ebm-papst voluntarily provides relevant information to customers.

When it comes to lead oxide, ebm-papst employs the following uses exempt from lead oxide restrictions as per Annex III RoHS directive:

- **Exemption 7c-I**, lead-containing electric or electronic components in glass or ceramics materials except dielectric ceramics in capacitors, e.g. piezo-electronic devices, or in a glass or ceramics compound, as well as
- **Exemption 7c-II**, lead in dielectric ceramics in capacitors for a nominal voltage of 125 V AC or 250 V DC or above.
- **Exemption 7c-IV**, lead in PZT based dielectric ceramic materials for capacitors which are part of integrated circuits or discrete semiconductors

When it comes to lead, ebm-papst employs the following uses exempt from lead restrictions as per Annex III:

- **Exemption 6a, 6a.I** lead in steel;
- **Exemption 6b, 6b.I und 6b.II** lead in aluminum alloys;
- **Exemption 6c**, lead in copper alloys, as well as

- **Exemption 7a**, lead with high-temperature solders.

We shall, of course, keep track of how the duty to disclose information on our products develops in order to meet all our obligations arising from Art. 33 REACH.

If there should be any relevant change in the candidate list, we shall let you know about them without delay.

Best regards

**ebm-papst Landshut GmbH**



**ppa. Jens Gabel**

Director Sales