

ebm-papst St. Georgen GmbH & Co. KG • P.O. Box 14 35 • DE-78106 St. Georgen

Your contact:	Phone:	Fax:	Email:	Date:
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Art. 33 REACH and RoHS customer information

Dear Sir or Madam ,

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 St. Georgen 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 a 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 in <http://echa.europa.eu/web/guest/candidate-list-table>

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.

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- **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.

2. Information as per RoHS

As regards directive 2011/65/EU (Restriction of Hazardous Substances, RoHS) in its currently valid form (incl. RoHS3), ebm-papst St. Georgen GmbH & Co. KG 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:

- **Exception 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
- **Exception 7c-II**, lead in dielectric ceramics in capacitors for a nominal voltage of 125 V AC or 250 V DC or above.

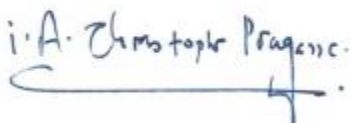
When it comes to lead, ebm-papst employs the following uses exempt from lead restrictions as per Annex III:

- **Exception 6a**, lead in steel;
- **Exception 6b**, Aluminum alloys;
- **Exception 6c**, copper alloys, as well as
- **Exception 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.

Kind Regards,



Christopher Pragassa
Quality Management