



Date: 18.03.2024

Note: The following information only applies in connection with the e-mail including this statement and featuring the same transaction number:

Transaction number: TickX#3000

## **EC REGULATION 1907/2006 – REACH, RoHS directive 2011/65 EU and and USA EPA: Restricted substances under the Toxic Substances Control Act**

Dear Sir or Madam

Since 1 June 2007 the regulation (EC) no. 1907/2006, the so-called **REACH** regulation (REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals) has been in force.

To put it in plain words, the REACH regulation distinguishes between **chemical products** ("substances on their own and in preparations") and **non-chemical products** ("substances in articles").

ifm electronic gmbh as a **manufacturer of non-chemical products** (control, communication and automation technology) is a "producer of articles" according to the REACH regulation. As such a producer ifm electronic gmbh would be in principle obliged to register if when using our products chemical substances were released during normal and reasonably foreseeable conditions. For lack of this prerequisite, only the provisions of art. 33 concerning the "candidate list" are important for us. This list was published for the first time on 28 October 2008 and updated last on 23 January 2024 (see <http://echa.europa.eu/>).

With regard to the substances of very high concern, producers and importers of articles containing a substance from the candidate list (CL SVHC) in a concentration above 0.1 % by mass per article must provide their professional recipients with sufficient information to allow safe use of the products including, as a minimum, the name of that substance.

**The products delivered to you are listed up in the table at the end of this document.**

**ifm products that do not contain any substances from the candidate list above 0.1 % by mass are marked with "No" in the column "REACH CL SVHC".**

**For ifm products containing more than 0.1 % by mass of CL SVHCs in a (partial) product, the corresponding substances from the candidate list are indicated in the mentioned column. If our products are handled as intended, this substance / (partial) product constitutes no danger.**

If, due to future updates of the candidate list, we receive new information from our supply chain, you will find this information at our website [www.ifm.com](http://www.ifm.com) under the respective product (Downloads >> Certificates >> *REACH (SCIP) RoHS declaration*).

The applicable substance limitations of **annex XVII** REACH are, of course, complied with.



In July 2006, limit values began to apply to certain hazardous substances in electrical and electronic equipment for the protection of human health and the environment. The corresponding current EU directive 2011/65/EU – the so-called **RoHS(2)** directive (**R**estriction of certain **H**azardous **S**ubstances) – has been valid since 3 January 2013. In the recast, the following regulations are of particular importance:

- The application of the CE mark and the creation of an EU declaration of conformity also evidence the RoHS conformity if the respective product falls under the scope of the RoHS directive (EEE **E**lectric and **E**lectronic **E**quipment of equipment category 1 to 11).
- The substance restrictions and permissible maximum concentrations in homogenous materials according to article 4 sections 1 and 2, annex II, were supplemented by four further substances (delegated directive (EU) 2015/863).

We would also like to inform you about the current European RoHS status of the products you obtain from us.

**The products supplied to you – see the table at the end of the document – do not contain any substances in concentrations or applications whose placing on the market in products of the indicated equipment categories is prohibited according to the currently applicable requirements of the directive 2011/65/EU.**

**The exemptions used according to annex III / IV of RoHS are listed in the following table.**

You can find the EU declaration of conformity for products within the scope of RoHS at our website [www.ifm.com](http://www.ifm.com) under the respective product (Downloads » Certificates » *EU declaration of conformity*).

## **USA EPA: Restricted substances under the Toxic Substances Control Act**

The United States Toxic Substances Control Act (TSCA) is a federal chemicals management regulation. Under TSCA Section 6, certain substances, and substance families are restricted from distribution in U.S. commerce, including:

- Asbestos
- Lead, when used in paint
- Polychlorinated biphenyls (PCBs)
- Dioxins
- Chlorofluorocarbons (CFCs, ozone depleting substances)
- Metallic mercury, when used in consumer products
- Formaldehyde, when used in composite wood products
- Nitrites, when used in certain cutting fluids
- Hexavalent chromium compounds, when used in water treatment
- Five Persistent, Bioaccumulative, and Toxic substances restricted in 2021:
  - PIP 3:1 (CAS 68937-41-7)
  - DecaBDE (CAS 1163-19-5)
  - 2,4,6 TTBP (CAS 732-26-3)
  - HCBd (CAS 87-68-3)
  - PCTP (CAS 133-49-3)

ifm electronic gmbh manufactures sensors for automation and control technology. In this letter we refer only to substances/groups of substances listed in section 6 of the TSCA regulation with the restriction resulting from the use of these substances/groups of substances in articles.



In June 2017, EPA released the scope document for the risk evaluation for asbestos part 1, which included the hazards, exposures, conditions of use, and the potentially exposed or susceptible subpopulations EPA expected to consider in its risk evaluation of asbestos conducted pursuant to TSCA section 6(b). In June 2018, EPA released the problem formulation for the risk evaluation for asbestos part 1, which refined the scope of the asbestos risk evaluation by clarifying the chemical conditions of use.

#### USA EPA: Persistent, Bioaccumulative, and Toxic (PBT) Chemicals under TSCA Section 6(h)

On January 6, 2021, the U.S. Environmental Protection Agency (EPA) published new regulations under the Toxic Substances Control Act (TSCA) Section 6(h) to reduce exposures to certain chemicals that are persistent, bioaccumulative and toxic (PBT). The rules limit or prohibit the manufacture (including import into the US), processing, and/or distribution in commerce for the following PBT substances:

- 2,4,6-tris(tert-butyl)phenol (2,4,6-TTBP); [CAS No.732-26-3]
- Decabromodiphenyl Ether (DecaBDE); [CAS No.1163-19-5]
- Phenol, Isopropylated Phosphate (3:1) (PIP 3:1); [CAS No.68937-41-7]
- Pentachlorothiophenol (PCTP); [CAS No.133-49-3]
- Hexachlorobutadiene (HCBd); [CAS No.87-68-3]

According to the rules, from 08 March 2021, the manufacture, use, placing on the market and import of these substances on their own, in preparations and in products, certain exemptions taken into account, will be prohibited in the US.

This information is provided to the best of our knowledge and belief and reflects our current state of knowledge.

We ask for your appreciation that we cannot fill in any customer-specific forms due to the large number of enquiries.

In case of any questions please contact your ifm contact or send an email to the following ifm email address: [ProductMaterialCompliance@ifm.com](mailto:ProductMaterialCompliance@ifm.com)

Note: This document was created electronically and is valid without signature.

ifm article-number	REACH - CL SVHC	RoHS equipment category	RoHS - exemption	RoHS substance
DD0203	Lead (CAS-Nr. 7439-92-1), Perfluorobutane sulfonic acid (PFBS) and its salts	9	III-6c, III-7a, III-7c.I	Lead*
IS5071	Lead (CAS-Nr. 7439-92-1)	9	III-6c, III-7a, III-7c.I	Lead*
IM5132	Lead (CAS-Nr. 7439-92-1)	9	III-6c, III-7a, III-7c.I	Lead*
IM5033	Lead (CAS-Nr. 7439-92-1)	9	III-6c, III-7a, III-7c.I	Lead*
I17003	Lead (CAS-Nr. 7439-92-1), Barium diboron tetraoxide (CAS-Nr. 13701-59-2)	9	III-7a, III-7c.I	Lead*
GF711S	Lead (CAS-Nr. 7439-92-1), Bis(2-(2-methoxyethoxy)ethyl)ether (CAS-Nr.143-24-8)	9	III-6c, III-7a, III-7c.I	Lead*
KQ6004	Lead (CAS-Nr. 7439-92-1), Perfluorobutane sulfonic acid (PFBS) and its salts, Lead titanium zirconium oxide (CAS-No. 12626-81-2)	9	III-6c, III-7c.I	Lead*

\* lead / lead compounds