

Guideline - Material Compliance

FISCHER Mess- und Regeltechnik GmbH

Guideline for ensuring material compliance
Requirements for suppliers

Revision A

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1. Introduction

This guideline describes the material compliance requirements of FISCHER Mess- und Regeltechnik GmbH that are imposed on suppliers of products, components, materials and consumables. The requirements regarding material compliance are equivalent to other product requirements.

This guideline lists the legal requirements for prohibited, regulated and declarable substances that are relevant to FISCHER Mess- und Regeltechnik GmbH and must be complied with. The supplier is obliged to check compliance with the requirements listed in section 2 of this guideline and to inform themselves about the relevant current guidelines, laws and standards.

Products and raw materials of unknown composition may not be used. The supplier is obliged to provide material information free of charge where applicable and to comply with the listed regulations, directives and laws for the products delivered to FISCHER Mess- und Regeltechnik GmbH.

Prohibited and regulated substances must not be contained in the supplier's delivered products above the respective limit values specified in the regulations, directives and laws listed in this document. Furthermore, the supplier is obliged to provide information on substances subject to declaration above the limit values without being asked to do so (see section 3).

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2. Overview of material compliance requirements

2.1 Regulation (EC) No. 1907/2006 REACH - Annex XIV - List of substances subject to authorization

Annex XIV of the REACH Regulation contains substances from the list of substances of very high concern (SVHC) that are subject to authorization. The supplier is obliged to provide sufficient information when delivering products that contain substances subject to authorization above the limit values specified in Annex XIV of the REACH Regulation.

You can access the current Annex XIV of the REACH Regulation at the following link:

<https://echa.europa.eu/de/authorisation-list>

2.2 Regulation (EC) No. 1907/2006 REACH - Annex XVII - List of restricted substances

Annex XVII of the REACH Regulation regulates or prohibits substances in certain applications.

The current Annex XVII of the REACH Regulation can be accessed at the following link:

<https://echa.europa.eu/de/substances-restricted-under-reach>

2.3 Regulation (EU) 2019/1021 - Persistent Organic Pollutants (POPs)

Regulation (EU) 2019/1021 implements among other things the Stockholm Convention on Persistent Organic Pollutants. The Stockholm Convention (POP Convention) prohibits or restricts the manufacture, use and trade of certain persistent organic pollutants.

Further information on the Stockholm Convention can be found at the following link:

<http://chm.pops.int>

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2.4 RoHS Directive

Directive 2011/65/EU of June 8, 2011 and delegated Directive (EU) 2015/863 restrict the use of hazardous substances in electrical and electronic equipment. As a manufacturer of electronic devices for measurement and control technology, we are directly affected by this directive. Accordingly, we expect our suppliers to comply with the RoHS Directive.

The substance regulations of the RoHS Directive refer to the maximum concentrations in the homogeneous material of each product:

Substance group	Maximum concentration in homogeneous material in percent
Cadmium and cadmium compounds	0,01 %
Hexavalent chromium (Cr6+) and Cr6+ compounds	0,10 %
Lead and lead compounds	
Mercury and mercury compounds	
Polybrominated diphenyl ethers (PBDE)	
Polybromierte Biphenyle (PBB)	
Di(2-ethylhexyl)phthalat (DEHP)	
Butylbenzylphthalat (BBP)	
Dibutylphthalat (DBP)	
Diisobutylphthalat (DIBP)	

Exceptions to the RoHS Directive for lead as an alloying element in steel, aluminum and copper are listed below.

Please check the existing RoHS exemptions and their validity at the following link:

<https://environment.ec.europa.eu>

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Exceptions to the RoHS Directive for lead as an alloying element in steel, aluminum and copper:

No.	Exception	Expiration date
6(a)	Lead as an alloying element in steel for machining purposes and in galvanized steel with a lead content of up to 0.35 percent by weight	expires on December 11, 2026
6(a)-I	Lead as an alloying element in steel for machining purposes with a lead content of up to 0.35 percent by weight	expires on June 30, 2027 for all categories *
6(a)-II	Lead as an alloying element in hot-dip galvanized steel components with a lead content of up to 0.2 percent by weight	expires on June 30, 2027 for all categories *
6(b)	Lead as an alloying element in aluminum with a lead content of up to 0.4 percent by weight	expires on June 11, 2027
6(b)-I	Lead as an alloying element in aluminum with a lead content of up to 0.4 percent by weight, provided that it originates from the recycling of lead-containing aluminum scrap	expires on June 30, 2027 for category 9 (industrial monitoring and control instruments)
6(b)-II	Lead as an alloying element in aluminum for machining purposes with a lead content of up to 0.4 percent by weight	expires on June 30, 2027 for category 9 (industrial monitoring and control instruments)
6(b)-III	Lead as an alloying element in aluminum casting alloys with a lead content of up to 0.3 percent by weight, provided that it originates from the recycling of lead-containing aluminum scrap	expires on June 30, 2027 for category 9 (industrial monitoring and control instruments) *
6(c)	Copper alloy with a lead content of up to 4 percent by weight	expires on June 30, 2027 *

* extension request submitted

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2.5 Packaging Directive

Directive 94/62/EC of December 20, 1994 on packaging and packaging waste limits the concentration of heavy metals in packaging:

Substances	Maximum concentration in packaging in ppm by weight
Lead, cadmium, mercury and chromium VI	100 (cumulative)

2.6 Toxic Substances Control Act (TSCA)

According to Section 6 of the US Toxic Substances Control Act, companies that export products to the US must ensure that their goods do not contain any of the prohibited substances listed below. We are manufacturers of products that are also sold in the US. We therefore require our suppliers to check compliance with the material limits for the chemicals in question. If the limits are exceeded, we expect to receive the relevant information.

Substances	CAS-Number	Limit value
Decabromdiphenylether (DecaBDE)	1163-19-5	0,1 Weight %
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0,1 Weight %
2,4,6 tris (tert butyl)phenol (2,4,6 TTBP)	732-26-3	0,3 Weight %
Hexachlorbutadien (HCBd)	87-68-3	0 %
Pentachlorothiophenol (PCTP)	133-49-3	1 Weight %

Further information on TSCA Section 6 can be found at the following link:

<https://www.epa.gov/assessing-and-managing-chemicals-under-tsca/persistent-bioaccumulative-and-toxic-pbt-chemicals>

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2.7 Dodd-Frank Act Section 1502

The US Dodd-Frank Act Section 1502 requires US-listed companies to disclose whether their products contain so-called “conflict minerals” (tin, tantalum, tungsten, gold – 3TG) from the Democratic Republic of Congo or neighboring countries. This is intended to stop the financing of armed groups by commodity trading and to increase transparency in supply chains. As a supplier to US companies, we expect our suppliers to exclude conflict minerals from all products they deliver.

3. Substances subject to declaration according to the SVHC candidate list

According to article 33 of the REACH Regulation, every supplier of an article is obliged to provide the recipient with relevant information if the product contains a substance on the SVHC candidate list in a concentration of more than 0.1% by weight. In this case, we kindly request you to inform us of the name of the substances in question upon delivery without being asked and if necessary, to provide further information for safe use.

The current version of the SVHC candidate list of the REACH Regulation can be accessed at the following link:

<https://echa.europa.eu/de/candidate-list-table>