



marinetech
stainless steel fasteners

marinetech » Marschgehren 16 · 28779 Bremen · Deutschland / Germany

Marinetech Edelstahlhandel GmbH & Co. KG
Marschgehren 16 · 28779 Bremen · Deutschland / Germany

» www.marinetechnik.de » www.marinetechnik.shop

Ocean Marine & Fishing Gear A/S

c/o Jesper Knudsen
Høgevej 2-4
DK-6705 Esbjerg

Your request concerning EU-Directive 2011/65/EU (RoHS)

Dear Customer,

Thank you for your request regarding the RoHS Directive.

EU Directive 2015/863/EU (RoHS III) updates Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

In Germany, the Directive is implemented by the Ordinance on Materials for Electrical and Electronic Equipment (ElektroStoffV). It stipulates that electrical and electronic equipment including cables and spare parts which contain more than 0.1 percent by weight of lead, mercury, hexavalent chromium, PBB, PBDE, DEHP, BBP, DBP, DIBP or more than 0.01 percent by weight of cadmium per homogeneous material may not be placed on the market.

Exceptions exist for certain substances and uses. For lead as an alloying element, for example, the exemptions set out in Annex III apply:

- 6a. I (steel max. 0.35%, hot-dip galvanised steel max. 0.2%)
- 6b. I/II (aluminium layer max. 0.4 %),
- 6c. (copper layer max. 4 %)

As these exceptions expire in May/July 2021, applications for renewals to the above-mentioned exceptions have been prepared by an international association ("RoHS Umbrella Industry Project") and submitted to the European Commission within the deadline. A decision by the Commission is still pending. The exemptions remain valid until the Commission has decided on the application for renewal. In case of rejection, the exemption expires at the earliest 12 months and at the latest 18 months after the date of the decision.

Fasteners as such do not fall within the scope of the Directive. The situation may be different if they form part of the electrical and electronic equipment specified in the Directive.

We enclose our declaration of conformity as an attachment.

If you have any further questions, please do not hesitate to contact us.

Kind regards from your stainless steel experts

Peter Heumüller



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DECLARATION OF CONFORMITY

EU Directive 2011/65/EU (updated 2015/863/EU) on the restriction of the use of certain hazardous substances in electrical and electronic equipment

We hereby declare (as of November 2021):

Company: Marinetech Edelstahlhandel GmbH & Co. KG
Address: Marschgehren 16
Postcode/Town: 28779 Bremen

that the metallic fasteners supplied by us with the following features comply with the requirements of the RoHS Directive:

Base materials:

- Steel
- Stainless steel
- Non-ferrous metals

conform according to:

Annex III 6a. I
Annex II
Annex III 6b. I/II, 6c.

Coating:

- None
- Zinc and zinc alloy coatings with blue/blue
- transparent/iridescent passivations
- Zinc flake coatings without chromates (flZnnc)
- Hot-dip galvanizing on steel

conform according to:

Annex II
Annex II
Annex II
Annex II, III 6a. I

References:

- ISO 4042: fasteners - galvanic coatings
- ISO 19598 (DIN 50979): metallic coatings - electroplated zinc and zinc alloy coatings on ferrous materials with additional Cr(VI)-free treatments
- ISO 12683: zinc coatings applied by mechanical plating
- ISO 8839: mechanical properties of non-ferrous metals
- ISO 10683: non-electrolytically applied zinc flake coatings
- ISO 10684: hot-dip galvanizing of fasteners
- DIN EN ISO 3613 paragraph 5.5.2: Test methods for chromating coatings

Peter Heumüller

Date: