

MATERIAL DECLARATION

Type 1: SELF DECLARATION

<Date of declaration>

Date: 30.07.2018

<MD ID Number>

MD-ID-No. MD Rittal customers

<Other information (e.g. shipbuilder, hull NO if applicable)>

Remark 1
Remark 2
Remark 3

<Supplier (Respondent) Information>

Company name Rittal GmbH & Co. KG
Division name Qualitymanagement
Address Auf dem Stützelberg, D-35745 Herborn
Contact person Jürgen Schnaubelt
Telephone No. 0049 2772 505 2191
Fax No. 0049 2772 505 2319
E-mail address ehs@rittal.de
SDoC ID No. SDoC ref MD Rittal customers

Is product already Type approved by DNV?

Yes No

<Product Information>

| Product Name | Product Number | Delivered Unit | | Product Information |
|---------------------|---------------------|----------------|------|---------------------|
| | | Amount | Unit | |
| All Rittal products | All Rittal products | | | |

This material information shows the amount of hazardous materials contained in

1 piece

<Material Information>

| Table | Material Name | Threshold level | Present above threshold level Yes or No | IF YES Material Mass | | IF YES Information on where it is used | |
|---|--|-------------------------------|--|-------------------------|------|--|--|
| | | | | Amount | Unit | | |
| Table A Materials listed in appendix 1 of the Convention | Asbestos | No threshold level* | No | | | | |
| | PCB's | 0 / 50 ppm** | No | | | | |
| | Chlorofluorocarbons (CFC's) | Chlorofluorocarbons (CFC's) | No threshold level | No | | | |
| | | Halons | | No | | | |
| | | Other fully Halogenated CFC's | | No | | | |
| | | Carbon Tetrachloride | | No | | | |
| | | 1,1,1-Trichloroethane | | No | | | |
| | | Hydrochlorofluorocarbons | | No | | | |
| | | Hydrobromofluorocarbons | | No | | | |
| | Methyl Bromide | No | | | | | |
| Bromochloromethane | No | | | | | | |
| EU*** | Anti-fouling systems containing organotin compounds as a biocide | 2,500 mg total tin/kg | No | | | | |
| | Perfluorooctane sulfonic acid (PFOS) | No threshold level | No | | | | |

| Table | Material Name | Threshold level | Present above threshold level Yes or No | IF YES Material Mass | | IF YES Information on where it is used |
|---|---|-------------------------------------|--|-------------------------|------|--|
| | | | | Amount | Unit | |
| Table B Materials listed in appendix 2 of the Convention | Cadmium & Cadmium Compounds | 100 mg/kg | no | | | |
| | Hexavalent Chromium and Hexavalent Chromium Compounds | 1,000 mg/kg | no | | | |
| | Lead and Lead Compounds | 1,000 mg/kg | no | | | |
| | Mercury and Mercury Compounds | 1,000 mg/kg | no | | | |
| | Polybromated Biphenyl (PBB's) | 1,000 mg/kg | no | | | |
| | Polybrominated Diphenyl Ethers (PBDE's) | 1,000 mg/kg | no | | | |
| | Polychloronaphthalenes (Cl=3) | No thr.level | no | | | |
| | Radioactive substances | No thr.level | no | | | |
| | Certain Shortchain Chlorinated Paraffins | 1% | no | | | |
| | EU*** | Brominated flame retardants (HBCDD) | No threshold level | no | | |


* currently no asbestos is tolerable under SOLAS Reg. II-1/3-5 and Para. 13 of MSC.1/Circ.1374.

** 50ppm is to be used as threshold for reporting existing PCB only. NOTE: All new materials are to be free of any PCBs!

*** Additional material to be listed for new EU ships acc. to appendix 1a of the EU Ship Recycling Regulation.

The object of declaration described above is in conformity with the IMO Guidelines for the development of Inventory of Hazardous Materials Resolution MEPC.197(62)

30.07.2018



(Date, Signature and Company Stamp)

IMPORTANT NOTICE: Any significant change in material content may render this declaration invalid.

SUPPLIERS DECLARATION OF CONFORMITY for Material Declaration Management

(Please refer to IMO Resolution MEPC.197(62))

1) SDoC ID No: SDoC ref MD Rittal customers

2) Issuers name: Rittal GmbH & Co. KG

Issuers adress: Auf dem Stützelberg, D-35745 Herborn

3) Object(s) of the declaration: 1) All Rittal products
 2) Industrial Enclosures, Power Distribution, Electronic Packaging,
 System Climate Control, IT Solutions, Communication Systems
 4) _____
 5) _____
 6) _____
 7) _____
 8) _____
 9) _____
 10) _____

4) The object of declaration described above is in conformity with the requirement of the following documents:

| Document No.: | Title: | Edition | Date of issue: |
|---------------------|---|--------------------|-------------------|
| <u>1907/2006/EG</u> | <u>REACH: EU directive -ECHA -SVHC list</u> | <u>EU 453-2010</u> | <u>27.06.2018</u> |
| <u>2011/65/EU</u> | <u>RoHS_II_III: EU directives</u> | <u>EU 2015-863</u> | |
| <u>1005/2009/EC</u> | <u>Ozone Regulation (EC)</u> | <u>2009</u> | <u>11.09.2009</u> |
| _____ | _____ | _____ | _____ |

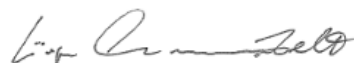
6) Additional Information: _____

Signed for and on behalf of:

Rittal GmbH & Co. KG

D-Herborn
(Place of issue)

30.07.2018
Date of issue



7) Jürgen Schnaubelt, Quality Management
(Name, function)

(Signature)

How to prepare Material Declarations

If publication of your company's Material Declarations is desired, please do the following: Fill in a blank declaration form, either a Self declaration or a DNV Verified declaration. Please state 'Yes' or 'No' for every listed hazardous substance, even if no harmful substances are present in product. Then print, sign, and stamp.

Please also fill in Suppliers Declaration of Conformity(SDoC). One SDoC can cover several Material Declarations.

Inventory of Hazardous Materials (IHM):

In May 2009 a new International Convention was adopted to ensure safe and environmentally sound ship recycling. When the convention enters into force, its requirements will become mandatory.

Quote from Regulation 5 – Inventory of Hazardous Materials:

1 Each new ship shall have onboard an Inventory of Hazardous Materials. The Inventory shall be verified either by the Administration or by any person or organization authorized by it taking into account guidelines developed by the Organization.

The Inventory of Hazardous Materials shall be specific to each ship and shall at least: identify as Part I, Hazardous Materials listed in Appendices 1 and 2 to this Convention and contained in ship's structure and equipment, their location and approximate quantities.

For a **newbuilding**, the Yard will normally be requested to provide the **Inventory of Hazardous Materials (IHM)**. The Yard will then request its suppliers to declare their products.

Material Declarations (MD's):

Manufacturers of marine equipment will be requested to submit:

1) **Material Declarations (MD's)** stating the content of Hazardous substances in their products, 2) **Suppliers declaration of Conformity (SDoC)**.

Blank forms for MD and SDoC are found on the tabs below, together with examples on how to fill them in.

In order to simplify this process for Yards, Ship Owners and Manufacturers, DNV offers Internet publication of Material Declarations and Suppliers Declarations of Conformity. This way, manufacturers can publish their information **once**, and do not have to repeat this for every delivery. In DNV's online library, Yards and Ship Owners can easily search for and choose products with Material declarations readily available.

DNV offers Internet publication of two types of MD:

-Self Declaration based solely at Manufacturers own statement.

-DNV Verified Declaration where a test report from accredited laboratory confirms content of listed Hazardous substances.

For information: IF a declared product contains any of the hazardous substances above threshold level, listed by IMO, **Yard or Ship Owner** shall supplement the Material Declaration with an Inventory form Part 1 with information about **Location** and Approximate **Mass** of Hazardous Material onboard. Form with Part 1 of Inventory can be downloaded from DNV HazMat Homepage. If product is complex or comes in many variants with different content of Hazardous substances, DNV has provided a calculation tool for determining amount of Hazardous Material to be stated in the Inventory Part 1.