

MATERIAL DECLARATION (MD)

This form is based on IMO RESOLUTION MEPC. 269(68), 2015 Guidelines for the Development of the Inventory of Hazardous Materials with the addition of the materials to be listed for Regulation (EU) No 1257/2013 of the European Parliament and of the Council of 20 November 2013 on ship recycling and amending Regulation (EC) No 1013/2006 and Directive 2009/16/EC.

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|-------------|-------------|
| Date | 11-Oct-2022 |
| MD Id Code: | QS20.241 |

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| Product name | Product number | Product information |
|-------------------------|----------------|--|
| DIN rail power supplies | QS20.241 | DIN rail power supplies for 1-phase system 24V, 10A |

| Table | Material name | | Threshold level | Present above threshold level (yes/no) | If yes, material mass | | If yes, information on where it is used |
|--|--|----------------------------------|--------------------|--|-----------------------|------|--|
| | | | | | Mass* | Unit | |
| Table A*** (materials listed in appendix 1 of the convention) | Asbestos | Asbestos | 0.1%** | No | | | |
| | Polychlorinated biphenyls (PCBs) | Polychlorinated biphenyls (PCBs) | 50 mg/kg | No | | | |
| | Ozone depleting substance | Chlorofluorocarbons (CFCs) | No threshold level | No | | | |
| | | Halons | | No | | | |
| | | Other fully halogenated CFCs | | No | | | |
| | | Carbon tetrachloride | | No | | | |
| | | 1,1,1-Trichloroethane | | No | | | |
| | | the | | No | | | |
| | | Hydrobromofluorocarbons | | No | | | |
| | | Methyl bromide | | No | | | |
| Bromochloromethane | No | | | | | | |
| | Anti-fouling systems containing organotin compounds as a biocide | 2,500 mg total tin/kg | No | | | | |
| Table B*** (materials listed in appendix 2 of the convention) | Cadmium and 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 | Yes | | | SMD-SUPPRES, N-MOSFET, SMD N-MOSFET on printed circuit board |
| | Mercury and mercury compounds | | 1,000 mg/kg | No | | | |
| | Polybrominated biphenyl (PBBs) | | 50 mg/kg | No | | | |
| | Polybrominated dephenyl ethers (PBDEs) | | 1,000 mg/kg | No | | | |
| | Polychloronaphthalenes (Cl >=3) | | 50 mg/kg | No | | | |
| | Radioactive substances | | No threshold level | No | | | |
| Certain shortchain chlorinated paraffins | | 1% | No | | | | |
| Annex II**** (Additional materials) | Perfluorooctane sulfonic acid (PFOS) | | No threshold level | No | | | |
| | Brominated flame retardant (HBCDD) | | No threshold level | No | | | |

*According to 3.3.2 IMO Guidelines Resolution MEPC.269(68) no obligation for report on amount of hazardous materials potentially contained in printed circuit boards installed in the equipment.

**Please refer to footnote 18 on the "Form of Material Declaration" in the IMO Guidelines Resolution MEPC.269(68).

***Hong Kong International Convention for the Safe and Environmentally Sound Recycling of Ships, 2009 (SR/CONF/45).

****Regulation EU No. 1257/2013 of the European Parliament and of the Council of 20 November 2013 on Ship Recycling and amending Regulation EC No. 1013/2006 and Directive 2009/16/EC.

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| Friedrich Haunschild | 11-Oct-2022 |
| Material Compliance Expert | Date Signature |