

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.

Date	24-May-2022
MD Id Code:	YR2.DIODE

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Product name	Product number	Product information
Diode redundancy module	YR2.DIODE	24V, 20A

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			
		Hydrochlorofluorocarbons		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	No			
	Mercury and mercury compounds		1,000 mg/kg	No			
	Polybrominated biphenyl (PBBs)		50 mg/kg	No			
	Polybrominated diphenyl 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.

Friedrich Haunschild	24-May-2022	
Material Compliance Expert	Date	Signature