

MATERIAL DECLARATION (MD)

<Date of declaration>

Date	2022/12/28
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<MD identification number>

MD ID-No.	MD_TAI-K_CNTPMP_ESC-250MDT_20221228
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<Other information>

Remark 1	
Remark 2	
Remark 3	

<Supplier (respondent) information>

Company name	TAIKO KIKAI INDUSTRIES CO., LTD.
Division name	Marine Design Dept.
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SDoC ID number	SD_TAI-K_20220810-1

<Product information>

Product name	Product number	Delivered unit		Product information
		Amount	Unit	
CENTRIFUGAL PUMP PARTS	ESC-250MDT	2	piece	MECHANICAL SEAL

<Materials information>

This materials information shows the amount of hazardous materials contained in

	Unit
1	piece

(Unit: kg, m, m2, m3, piece, etc.) of the product

Table	Material name		Threshold value	Present above threshold value?	If yes, material mass		If yes, information on where it is used	
				Yes / No	Mass	Unit		
Table A (materials listed in appendix 1 of the Convention)	Asbestos	Asbestos	0.1% *	No				
	Ozone Depleting Substance (ODS)	Polychlorinated biphenyls (PCBs)	Polychlorinated biphenyls (PCBs)	50 mg/kg	No			
		Chlorofluorocarbons (CFCs)	Chlorofluorocarbons (CFCs)	No threshold value	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	e.g. Tributyltin (TBT)	2500 mg total tin/kg	No					
	e.g. Triphenyl tins (TPTs)		No					
	e.g. Tributyltin oxide (TBTO)		No					
EU SRR **	Perfluorooctane sulfonic acid (PFOS)***	10 mg/kg	No					

Table	Material name		Threshold value	Present above threshold value?	If yes, material mass		If yes, information on where it is used
				Yes / No	Mass	Unit	
Table B (materials listed in appendix 2 of the Convention)	Cadmium and cadmium compounds		100 mg/kg	No			
	Hexavalent chromium and hexavalent chromium compounds		1000 mg/kg	No			
	Lead and lead compounds		1000 mg/kg	No			
	Mercury and mercury compounds		1000 mg/kg	No			
	Polybrominated biphenyl (PBBs)		50 mg/kg	No			
	Polybrominated diphenyl ethers (PBDEs)		1000 mg/kg	No			
	Polychloronaphthalenes (Cl >=3)		50 mg/kg	No			
	Radioactive substances		No threshold value	No			
EU SRR **	Certain shortchain chlorinated paraffins		1%	No			
	Brominated flame retardant (HBCDD)		100 mg/kg	No			

* In accordance with regulation 4 of the IMO Hong Kong Convention, for all ships, new installation of materials which contain asbestos shall be prohibited. According to the UN recommendation "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)" adopted by the United Nations Economic and Social Council's Sub-Committee of Experts on the Globally Harmonized System of Classification and Labelling of Chemicals (UNSCGHS), the UN's Sub-Committee of Experts, in 2002 (published in 2003), carcinogenic mixtures classified as Category 1A (including asbestos mixtures) under the GHS are required to be labelled as carcinogenic if the ratio is more than 0.1%. However, if 1% is applied, this threshold value should be recorded in the Inventory and, if available, the Material Declaration and can be applied not later than five years after the entry into force of the Convention. The threshold value of 0.1% need not be retroactively applied to those Inventories and declarations.

** Additional materials to be listed, in accordance with Annex I and Annex II of the European Union Ship Recycling Regulation (Regulation (EU) No 1257/2013). Threshold values taken from the EMSA Best Practice Guidance on the Inventory of Hazardous Materials

*** Concentrations of PFOS above 10 mg/kg (0.001% by weight) when it occurs in substances or in preparations or concentrations of PFOS in semi-finished products or articles, or parts thereof equal to or above than 0.1% by weight calculated with reference to the mass of structurally or micro-structurally distinct parts that contain PFOS or for textiles or other coated materials, if the amount of PFOS is equal to or above than 1 µg/m² of the coated material.

[Click here](#) for a brief summary of why this form needs to be completed.