

Material Declaration



<Date of declaration>

Date	2024/03/28
------	------------

<MD ID Number>

MD ID no.	MD_SHINKO_TURBINE_RVR-2_20240328
-----------	----------------------------------

<Supplier (respondent) information>

Company name	SHINKO IND.LTD.
Division name	HEAD OFFICE
Address	5-7-21,OHZU,MINAMI-KU,HIROSHIMA,JAPAN
Contact person	YUJI SUGA
Telephone number	+81-(0)82-508-1000
Fax number	+81-(0)82-508-1020
E-mail address	suga@shinkohir.co.jp
SDoC ID no.	SD_SHINKO_20231221

<Other information>

Remark 1	ACHELOUS
Remark 2	
Remark 3	

<Product Information>

Product name	Product number	Delivered unit		Product information
		Amount	Unit	
TURBINE	RVR-2	1	piece	CARGO OIL PUMP TURBINE

<Materials information>

This materials information shows the amount of hazardous materials contained in

1

Unit
piece

 (unit: piece, kg, m3, m2, m) 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(g)		
Table A (materials listed in appendix 1 of the Convention)	Asbestos	0.1%	No				
	Polychlorinated biphenyls (PCBs)	50 mg/kg	No				
	Ozone depleting substances	Chlorofluorocarbons(CFCs)	no threshold value	No			
		Halons		No			
		Other fully halogenated CFCs		No			
		Carbon tetrachloride		No			
		1,1,1-Trichloroethane (Methyl chloroform)		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					
Anti-fouling systems containing cybutyne	1,000 mg/kg ²⁰	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(g)	
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			
	Polychlorinated naphthalenes (more than 3 chlorine atoms)	50 mg/kg	No			
	Radioactive substances	no threshold value	No			
Certain shortchain chlorinated paraffins (Alkanes, C10-C13, chloro)	1%	No				

Materials required by "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. The format for the following materials is subject to the modification according to any amendment or supplement of the regulation.

Table	Material name	Threshold value	Present above threshold value	If yes, material mass		If yes, information on where it is used
			Yes / No / NA	Mass	Unit(g)	
ANNEX I	Perfluorooctane sulfonic acid (PFOS)	10 mg/kg (0.001% by weight*)	No			
ANNEX II	Brominated Flame Retardant (HBCDD)	100 mg/kg (0.01% by weight)	No			

*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 1µg/m² of the coated material.

20 When samples are directly taken from the hull, average values of cybutyne should not be present above 1,000 mg of cybutyne per kilogram of dry paint.

Supplier's Declaration of Conformity for Material Declaration management

1) SDoC ID number: SD_SHINKO_20231221

2) Issuer's name: SHINKO IND.LTD.

Issuer's address: 5-7-21, Ohzu, Minami-ku, Hiroshima, Japan

3) Object(s) of the declaration:

<u>Centrifugal Pump</u>	<u>Gear Pump</u>
<u>Piston Pump</u>	<u>Screw Pump</u>
<u>Tank Unit</u>	<u>Hand Pump</u>
<u>Steam Turbine</u>	
<u>Steam Ejector</u>	
<u>Condenser</u>	
<u>Heater</u>	

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

5) The company policy on the management of the chemical substances in products :

<u>Document no.:</u>	<u>Title:</u>	<u>Edition:</u>	<u>Date of issue:</u>
<u>SCM-101</u>	<u>Chemical Substance Control Manual</u>	<u>1</u>	<u>2010.10.21</u>
<u>MEPC.379(80)</u>	<u>Guidelines for the development of the IHM</u>		<u>2023.12.01</u>
<u>EU-SRR</u>	<u>REGULATION (EU) No 1257/2013</u>		<u>2013.11.20</u>


6) Additional information : _____

7) Signed for and on behalf of : SHINKO IND.LTD.

Hiroshima, Japan
(Place of issue)

2023/12/21
(Date of issue)

YUJI SUGA,
Assistant Manager of Quality System Dept.
(Name, function)



(Signature)