

# MATERIAL DECLARATION (MD)

<Date of declaration>

Date	2024-12-30
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<MD identification number>

MD ID-No.	MD-HANA-2408-00486
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<Other information>

Remark 1	PM DUKE
Remark 2	PO-DUKE-DD-24-028
Remark 3	

<Supplier (respondent) information>

Company name	HANA POWER SYSTEM SERVICE CO., LTD.
Division name	SPARE PARTS TEAM
Address	322 GONGDAN-RO, SEONGSAN-GU, CHANGWON-SI
Contact person	MR. Daehwan KIM
Telephone number	+82-55-275-4222
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Email address	<a href="mailto:hpss@hanapower.com">hpss@hanapower.com</a>
SDoC ID number	HANA-2408-00486

<Product information>

Product name	Product number	Delivered unit		Product information
		Amount	Unit	
See attached list				

<Materials information>

This materials information shows the amount of hazardous materials contained in

Unit

(Unit: kg, m, m<sup>2</sup>, m<sup>3</sup>, 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			
	Polychlorinated biphenyls (PCBs)	Polychlorinated biphenyls (PCBs)	50 mg/kg	No			
	Ozone Depleting Substance (ODS)	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			
	Certain shortchain chlorinated paraffins		1%	No			
EU SRR **	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/m<sup>2</sup> of the coated material.

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

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Date	2024-12-30
Customer Ref	PO-DUKE-DD-24-028
SDoC ID number	HANA-2408-00486
MD ID-No.	MD-HANA-2408-00486

## <Product information>

Product name	Product number	Delivered unit		Product information
		Amount	Unit	
O-RING	50501-01H-040	6	EA	
SLEEVE	50501-01H-039	6	EA	
SNAP RING	50501-01H-052	6	EA	
VALVE SEAT RING-INLET	50501-01H-064	12	EA	
VALVE SEAT RING-EXHAUST	50501-01H-076	12	EA	
WATER GUIDE JACKET	50501-01H-160	1	EA	
O-RING	50501-01H-184	50	EA	
COOLING WATER CONNECTION	50501-01H-196	24	EA	
V/V GUIDE	50501-01H-218	24	EA	
SPRING PIN	50501-01H-280	8	EA	
O-RING	50501-01H-338	12	EA	
O-RING	50501-01H-351	24	EA	
O-RING	50501-01H-363	26	EA	
INDICATOR VALVE	50508-01H-049	2	EA	
VALVE BRIDGE COMP.	50502-01H-010	2	EA	
VALVE SPINDLE, INLET & OUTLET	50502-01H-512	24	EA	
INNER SPRING	50502-01H-489	24	EA	
OUTER SPRING	50502-01H-490	24	EA	
ROTOCAP COMP.	50502-01H-477	12	EA	
CONICAL RING	50502-01H-465	20	EA	
PISTON RING	50601-06H-093	2	EA	
PISTON RING	50601-06H-103	2	EA	
PISTON RING	50601-06H-115	2	EA	
OIL SCRAPER RING	50601-06H-127	6	EA	
CON-ROD BEARING	50601-06H-139	6	EA	
NUT	50601-06H-164	12	EA	
CON-ROD STUD	50601-06H-152	12	EA	
SEALING RING (0.75T)	50610-02H-031	6	EA	
FLAME RING	50610-02H-092	6	EA	
O-RING	51201-05H-233	12	EA	
GASKET	51201-05H-257	5	EA	
COMPENSATOR	51202-02S-081	6	EA	
COMPENSATOR	51202-02S-097	2	EA	
GASKET	51202-02S-101	12	EA	
GASKET	51202-02S-203	5	EA	
PUSH ROD COMP.	50801-01H-303	4	EA	
O-RING	50801-01H-185	24	EA	
PROTECTING TUBE	50801-01H-173	2	EA	
O-RING	50510-01H-099	20	EA	
FUEL INJ PIPE COMP.	51404-01H-010	2	EA	
O-RING	51404-01H-130	15	EA	
O-RING	51404-01H-178	15	EA	
THERMOMETER 0-200°C	50907-02S-131	3	EA	

## SUPPLIER'S DECLARATION OF CONFORMITY (SDoC)

### Supplier's Declaration of Conformity for Material Declaration (MD) management

1	SDoC identification number	HANA-2408-00486	
2	Issuer's name	HANA POWER SYSTEM SERVICE CO., LTD.	
	Issuer's address	322 GONGDAN-RO, SEONGSAN-GU, CHANGWON-SI, GYEONGNAM, S.KOREA	
3	Object(s) of the declaration	HANA-2408-00486	
4	The object(s) of the declaration described above is in conformity with the following documents:		
	Document No.	Title	Edition/date of issue
5	MEPC.269(68)	Guidelines for the Development of the Inventory of Hazardous Materials	2015-05-15
	EU SRR	Regulation (EU) No 1257/2013	2013-11-20
	EMSA	Best Practice Guide on IHM	2016-10-28
	SR/CONF/45	Hong Kong International Convention	SR/CONF/45
6	Additional information		
7	Signed for and on behalf of		
	HANA POWER SYSTEM SERVICE CO., LTD.		
	(place and date of issue)	2024-12-30	
	DAEHWAN KIM		
	(name, function)		
	 PRESIDENT		
	(signature)		

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