

# MATERIAL DECLARATION (MD)

<Date of declaration>

|      |            |
|------|------------|
| Date | 2025-07-29 |
|------|------------|

<MD identification number>

|        |                                 |
|--------|---------------------------------|
| ID-No. | MD-ELECTRICAL HEATER-2025-07-29 |
|--------|---------------------------------|

<Other information>

|          |  |
|----------|--|
| Remark 1 |  |
| Remark 2 |  |
| Remark 3 |  |

<Supplier (respondent) information>

|                  |                                                            |
|------------------|------------------------------------------------------------|
| Company name     | Shining Marine Engineering Co.,Ltd.,Qingdao,China          |
| Division name    | Regional Business Manager                                  |
| Address          | Room704,A Building,No.99Chongqing South Road,Qingdao,China |
| Contact person   | Tina Xiao                                                  |
| Telephone number | +86-532-80936597                                           |
| Fax number       |                                                            |
| Email address    | engineering@shiningmarine.com                              |
| SDoC ID number   | SD-ELECTRICAL HEATER-2025-07-29                            |

<Product information>

| Product name  | Product number                         | Delivered unit |      | Product information                |
|---------------|----------------------------------------|----------------|------|------------------------------------|
|               |                                        | Amount         | Unit |                                    |
| Heat detector | Updated type: TDT-2<br>Part No.: 47173 | 1              | PC   | Including base and waterproof box. |

<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 |
|                                                                                 | 1    |  |                                                                             |

| 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<br>(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<br>(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

This MD is to be completed in accordance with IMO Resolution MEPC.379(80) and should be accompanied by a Supplier's Declaration of Conformity (SDoC)

## SUPPLIER'S DECLARATION OF CONFORMITY FOR MATERIAL DECLARATION MANAGEMENT

1. SDoC Unique Identification Number: SD-ELECTRICAL HEATER-2025-07-29
2. Issuer's Name: Shining Marine Engineering Co.,Ltd.,Qingdao,China  
Issuer's Address: Room704,A Building,No.99Chongqing South Road,Qingdao,China
3. Object(s) of the Declaration: All items as per below item list supplied under **PO - ENG-009-2025**
4. The object(s) of the declaration described above is in conformity with the following documents:

| <u>Document No.</u> | <u>Title</u>                                                                  | <u>Edition/Date of Issue</u> |
|---------------------|-------------------------------------------------------------------------------|------------------------------|
| <u>MEPC.379(80)</u> | <u>Guidelines for the development of the Inventory of Hazardous Materials</u> | <u>2023/07/07</u>            |
| <u>EU SRR</u>       | <u>Regulation (EU) No 1257/2013</u>                                           | <u>2013/11/20</u>            |
| <u>EMSA</u>         | <u>Best Practice Guide on the IHM</u>                                         | <u>2016/10/28</u>            |

5. Additional Information:

6. Signed for and on behalf of  
Shining Marine Engineering Co.,Ltd.,Qingdao,China  
Qingdao,China 2025.07.29

Place and date of Issue

7. Regional Business Manager Tina Xiao  
(Name, Function)



(Signature)

This SDoC is to be completed in accordance with IMO Resolution MEPC.379(80) and should be accompanied by one or more Material Declarations (MD)