

## IHM Material Declaration

### 1. Name and address of the manufacturer

Nidec Control Techniques Ltd  
The Gro  
Newtown  
Powys  
SY16 3BE  
UK

Registered in England and Wales.  
Company Reg. No. 01236886

### 2. Responsibility

This statement is issued under the sole responsibility of the manufacturer.

### 3. Object of the declaration

Model No.	Interpretation	Model number nomenclature aaaa - bbc dddd
aaaa	Basic series	C200, C300, M100, M101, M200, M201, M300, M400, M600, M700, M701, M702, M708, M709, M750, M751, M752, M753, M754, M880, M881, M882, M888, M889, E200, E300, F300, F600, H300, HS70, HS71, HS72, M000, RECT
bb	Frame Size	01, 02, 03, 04, 05, 06, 07, 08, 09, 11, 12
c	Voltage Rating	1 = 100 V, 2 = 200 V, 4 = 400 V, 5 = 575 V, 6 = 690 V
dddd	Current Rating	Example 01000 = 100 A
e	Drive Format	A = 6P Rectifier + Inverter with internal choke, D = Inverter, E = 6P Rectifier + Inverter, T = 12P Rectifier + Inverter

### 4. Declaration

The object of the declaration is in conformity with MEPC 68/21 / Add.1, Annex 17, Resolution MEPC.269(68) 2015 Guidelines for the development of the inventory of hazardous materials.

### 5. Inventory of hazardous materials

Materials listed in Appendix 1 of the Annex to the Convention

No.	Materials	Threshold value
A-1	Asbestos <sup>1</sup>	0.1 %
A-2	Polychlorinated biphenyls (PCBs) <sup>2</sup>	50 mg/kg
A-3	Ozone depleting substance <sup>3</sup>	Chlorofluorocarbons (CFCs)
		Halons
		Other fully halogenated CFCs
		Carbon tetrachloride
		1.1.1-Trichloroethane (Methyl chloroform)
		Hydrochlorofluorocarbons
		Hydrobromofluorocarbons
		Methyl bromide
	Bromochloromethane	
A-4	Anti-fouling systems containing organotin compounds as a biocide <sup>4</sup>	2500 mg total tin/kg

Materials listed in Appendix 2 of the Annex to the Convention

No.	Materials	Threshold value
B-1	Cadmium and cadmium compounds <sup>5</sup>	100 mg/kg
B-2	Hexavalent chromium and hexavalent chromium compounds <sup>5</sup>	1000 mg/kg
B-3	Lead and lead compounds <sup>5</sup>	1000 mg/kg
B-4	Mercury and mercury compounds <sup>5</sup>	1000 mg/kg
B-5	Polybrominated biphenyl (PBBs) <sup>6</sup>	50 mg/kg
B-6	Polybrominated diphenyl ethers (PBDEs) <sup>5</sup>	1000 mg/kg
B-7	Polychloronaphthalenes (Cl $\geq$ 3) <sup>6</sup>	50 mg/kg
B-8	Radioactive substances	No threshold value
B-9	Certain short chain chlorinated paraffins <sup>7</sup>	1 %

<sup>1</sup> In accordance with regulation 4 of the Convention, for all ships, new installation of materials which contain asbestos shall be prohibited.

<sup>2</sup> In accordance with regulation 4 of the Convention, for all ships, new installation of materials which contain PCBs shall be prohibited.

<sup>3</sup> "No threshold value" is in accordance with the Montreal Protocol for reporting ODS. Unintentional trace contaminants should not be listed in the Material Declarations and in the Inventory.

<sup>4</sup> This threshold value is based on the Guidelines for brief sampling of anti-fouling systems on ships (resolution MEPC.104(49)).

<sup>5</sup> RoHS Directive 2011/65/EU, Annex II.

<sup>6</sup> Basel convention

<sup>7</sup> EU Regulation 1907/2006, Annex XVII Entry 42 and Regulation 519/2012.

## IHM Material Declaration

### 6. SVHC Communication

- a. Lead (CAS No: 7439-92-1) is present above the limit of 0.1% weight as an alloying element in steel, galvanized steel, aluminum, copper alloys, and as a component in solders and in glass.
- b. 1,2-dimethoxyethane (CAS No: 110-71-4) is present above the limit of 0.1% weight in the electrolyte of the lithium battery where fitted.
- c. Octamethylcyclotetrasiloxane (D4) (CAS No: 556-67-2) is present above the limit of 0.1% weight in IGBT (Insulated Gate Bipolar Transistor) modules.
- d. Decamethylcyclopentasiloxane (D5) (CAS No: 541-02-6) is present above the limit of 0.1% weight in IGBT (Insulated Gate Bipolar Transistor) modules.
- e. Dodecamethylcyclohexasiloxane (D6) (CAS No: 540-97-6) is present above the limit of 0.1% weight in IGBT (Insulated Gate Bipolar Transistor) modules.



**Steven Powell**  
Operations Risk Director  
Newtown, Powys, UK  
2021-04-12