

This form is based on IMO RESOLUTION MEPC. 269(68), 2015 Guidelines for the Development of the Inventory of Hazardous Materials with the addition of the materials to be listed for 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 and of the Hong Kong Convention SR CONF 45.

**Manufacturer Information**

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**Product Information**

Product Name	Product Identification	Product Total Mass		Product Information
		Mass	Unit	
Feeder-booster unit	AMB-*	-	-	AMB Feeder-booster unit series (Including all variants and sizes).
Feeder/Pilot feeder unit	AMF- AMPF-*	-	-	AMF Feeder unit series AMPF Pilot feeder unit series (Series including all variants and sizes).
Emergency pump unit	AEP- APM-*	-	-	AEP Emergency pump unit series (known as black start pump unit). APM Pump unit series (Series including all variants and sizes).
Pre-heating unit	APU-*	-	-	APU Pre-heating unit series (Including all variants and sizes).
Transfer and unloading unit	AMT- AMU-*	-	-	AMT Transfer unit series AMU Unloading unit series (Series including all variants and sizes).
Circulation and filter unit	FCU- AFF- APF- AFC-*	-	-	FCU Fuel oil circulation unit series AFF Fine filter unit series APF Pump and filter unit series AFC Filter and cooler unit series (Series including all variants and sizes).
Lubrication and hydraulic unit	AHC- ALU- AGT-*	-	-	AHC Hydraulic control unit series ALU Lubrication oil unit series AGT Gas treatment unit series (Series including all variants and sizes).
Fuel change over system	AFS- SCO- PCO-*	-	-	AFS Auramarine fuel selector unit series SCO Smooth change over unit series PCO Pump change over unit series

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				<i>(Series including all variants and sizes).</i>
MDO cooling system	ACU-*	-	-	ACU Advanced cooler unit series <i>(Including all variants and sizes).</i>
Water cooler/circulation unit	AFWC- ACW-*	-	-	AFWC Water cooler unit series ACW MGO water circulation/cooling unit series <i>(Including all variants and sizes).</i>
MGO chiller system	AMC- 3C- CC-			AMC chiller series 3C chiller series CC chiller series <i>(Including all variants and sizes)</i>

## Material Information

Material Information data is evaluated considering all Product standard options according configuration described in Product Information table above. Total Product mass is calculated according table "product information" above. Hazardous Materials listed in Table A and Table B is specified for each 11 homogeneous material II present in concentrations above the threshold levels in a 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	
<b>Table A</b> (Materials listed in Appendix 1 of the annex to the Convention)	Asbestos	Asbestos	0,1%*	No		kg	
	Polychlorinated Biphenyls (PCBs)	Polychlorinated Biphenyls (PCBs)	50 mg/kg**	No		kg	
	Ozone Depleting Substance	Chlorofluorocarbons (CFCs)	No threshold value	No		m <sup>3</sup>	
		Halons		No		m <sup>3</sup>	
		Other fully halogenated CFCs		No		m <sup>3</sup>	
		Carbon Tetrachloride		No		m <sup>3</sup>	
		1,1,1- Trichloroethane (Methyl Chloroform)		No		m <sup>3</sup>	
		Hydrochlorofluorocarbons		No		m <sup>3</sup>	
		Hydrobromofluorocarbons		No		m <sup>3</sup>	
		Methyl bromide		No		m <sup>3</sup>	
		Bromochloromethane		No		m <sup>3</sup>	
	Anti-fouling systems containing organotin compounds as a biocide		2500 mg total tin/kg	No		kg	
EU***	Perfluorooctane sulfonic acid (PFOS)		10 mg/kg	No		kg	

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	
<b>Table B</b> (Materials Listed in Appendix 2 of the annex to the Convention)	Cadmium and Cadmium Compounds		100 mg/kg	No		kg	
	Hexavalent Chromium and Hexavalent Chromium Compounds		1000 mg/kg	No		kg	
	Lead and Lead Compounds		1000 mg/kg	No		kg	
	Mercury and Mercury Compound		1000 mg/kg	No		kg	
	Polybrominated Biphenyl (PBBs)		50 mg/kg	No		kg	
	Polybrominated Diphenyl ethers (PBDEs)		1000 mg/kg	No		kg	
	Polychlorinated naphthalenes (more than 3 chlorine atoms)		50 mg/kg	No		kg	
	Radioactive Substances		No threshold value	No		kg	
	Certain Shortchain Chlorinated Paraffins		1%	No		kg	
EU***	Brominated flame retardants (HBCDD)		100 mg/kg	No		kg	

\* 0,1% is to be used as threshold for reporting existing asbestos only. NOTE: All new materials are to be free of any Asbestos

\*\* 50ppm is to be used as threshold for reporting existing PCB only. NOTE: All new materials are to be free of any PCBs.

\*\*\* Additional material to be listed acc. to Annex 1 and Annex 2 of the 2013 EU Ship Recycling Regulation.

The object of declaration described above is in conformity with the Guidelines for the development of Inventory of Hazardous Materials IMO MEPC 269(68) (ed. 2015) and International Hong Kong Convention SR CONF 45 (ed. 2009) and the Regulation (EU) No 1257/2013 of the European Parliament and of the Council of

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20 November 2013 on ship recycling and amending Regulation (EC) No 1013/2006, Directive 2009/16/EC and EMSA Best Practice Guidance on the inventory of Hazardous Materials (ed. 2016).

**On behalf of Auramarine Ltd., in Turku on 11 June 2021**



Teemu Jutila, Director, Engineering and products, Auramarine Ltd