



Manufacturer's Declaration of potentially hazardous materials

This Material Declaration has been issued according to Resolution MEPC.269(68) and IMO Resolution A.980 (24)

Supplier:	SKIPPER Electronics AS Enebakkeveien 150 P.O.Box 151 Manglerud 0612 Oslo Norway
Product Description:	Transceiver Unit ESN100
Type Designation / Part Number:	JB50E1-SA
Weight:	1.9 kg

Anne-Karin Bjerkestrand Quality Manager	
07.05.2020	
Date	Signature
MD Id No.:	Skipper MD JB50 07052020

Table	Materials	Threshold level	Present above threshold level, Yes / No	IF YES		Information on where it is used	
				Material Mass			
				Amount	Unit (Kg, m2, m3)		
Table A. (Materials listed in appendix 1 of the convention)	Asbestos	0.1%	No				
	Polychlorinated biphenyls (PCBs)	50 mg/kg	No				
	Ozone depleting substance	Chlorofluorocarbons (CFCs)	No threshold level	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	2,500 mg total tin/kg	No					
Table B. (Materials listed in appendix 2 of the convention)	Cadmium and Cadmium Compounds	100 mg/kg	No				
	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)	1 000 mg/kg	No				
	Polybrominated Diphenyl Ethers (PBDEs)	1 000 mg/kg	No				
	Polychloronaphthalenes (Cl=>3)	No threshold level	No				
	Radioactive Substances	No threshold level	No				
	Certain Shortchain Chlorinated Paraffins	1 %	No				
Additional Materials for EU Compliance			No				
Annex 1	*Perfluorooctane Sulfonic Acid and its derivatives(PFOS)	No threshold level	No				
Annex 2	*Brominated Flame retardant(HBCDD)	No threshold level	No				