

# MATERIAL DECLARATION (MD)

## Type 1: SELF DECLARATION

Date of declaration

MD ID No.

Shipbuilder   
 Newbuilding No.   
 Remarks

Company name	Motorola Solutions
Division name	Radio Solutions
Address	
Contact person	-
Telephone no.	-
Fax no.	-
Email address	-
SDoC ID no.	-

Is product already Type approved by DNV?  Yes  No

**<Product information>**

Product Name	Product Number	Amount delivered		Product information
		Amount	Unit (Kg, m2, m3)	
GP340 UHF Radio	MDH25RDC9AN3AE	0.42	Kg	420g each with standard NiMH bat

This material information shows the amount of hazardous materials contained in:  Unit:  (Unit: piece, kg, m, m2, m3...) of the product

**<Material information>**

**TABLE A: Materials listed in Appendix 1 of the Convention**

No.	Materials	Threshold level	Present above threshold level? Yes or No	IF YES		IF YES Information on where it is used
				Material Mass		
				Amount	Unit (Kg, m2, m3)	
A-1	Asbestos	No threshold level	No			
A-2	Polychlorinated biphenyls (PCBs)	No threshold level	No			
A-3	Ozone depleting substances	No threshold level	Chlorofluorocarbons (CFCs)	No		
			Halons	No		
			Other fully halogenated CFCs	No		
			Carbon Tetrachloride	No		
			1,1,1-Trichloroethane (Methyl chloroform)	No		
			Hydrochlorofluorocarbons	No		
			Hydrobromofluorocarbons	No		
A-4	Anti-fouling systems containing organotin compounds as a biocide	2,500 mg total tin/kg	Methyl Bromide	No		
			Bromochloromethane	No		

**Note:** - For materials in this Table with no threshold level, quantities occurring as unintentional trace contaminants should not be listed in MD

**TABLE B: Materials listed in Appendix 2 of the Convention**

No.	Materials	Threshold level	Present above threshold level? Yes or No	IF YES		IF YES Information on where it is used
				Material Mass		
				Amount	Unit (Kg, m2, m3)	
B-1	Cadmium and Cadmium Compounds	100 mg/kg	No			
B-2	Hexavalent Chromium and Hexavalent Chromium Compounds	1,000 mg/kg	No			
B-3	Lead and Lead Compounds	1,000 mg/kg	Yes	<1	Kg	
B-4	Mercury and Mercury Compounds	1,000 mg/kg	No			

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B-5	Polybrominated Biphenyl (PBBs)	1,000 mg/kg	No		
B-6	Polybrominated Diphenyl Ethers (PBDEs)	1,000 mg/kg	No		
B-7	Polychlorinated Naphthalenes (more than 3 chlorine atoms, C <sub>≥3</sub> )	No threshold level	No		Not Intentionally add
B-8	Radioactive substances	No threshold level	No		Not Intentionally add
B-9	Certain shortchain chlorinated paraffins (Alkanes, C10-C13, chloro)	1%	No		Not Intentionally add

**Note:**

- For materials in this Table with no threshold level, quantities occurring as unintentional trace contaminants should not be listed in MDs
- Materials listed in the TABLE B that are inherent in solid metals or metal alloys, provided they are used in general construction, such as hull, superstructure, pipe or housings for equipment and machinery are not required to be listed hereby

**TABLE C: Potentially hazardous items**

No.	Properties	Goods	Amount	Units	Location		
C-1	Liquid	Oiliness	Kerosene	NA			
C-2			White spirit	NA			
C-3			Lubricating oil	NA			
C-4			Hydraulic oil	NA			
C-5		Anti-seize compounds	NA				
C-6		Fuel additive	NA				
C-7		Engine coolant additives	NA				
C-8		Antifreeze fluids	NA				
C-9		Boiler and feed water treatment and test re-agents	NA				
C-10		De-ioniser regenerating chemicals	NA				
C-11		Evaporator dosing and descaling acids	NA				
C-12		Paint stabilizers/rust stabilizers	NA				
C-13		Solvents/thinners	NA				
C-14		Paints	NA				
C-15		Chemical refrigerants	NA				
C-16		Battery electrolyte	NA				
C-17		Alcohol, methylated spirits	NA				
C-18	Gas	Explosives/inflammables	Acetylene	NA			
C-19			Propane	NA			
C-20			Butane	NA			
C-21			Oxygen	NA			
C-22		Green House Gases	CO2	NA			
C-23			Perfluorocarbons (PFCs)	NA			
C-24			Methane	NA			
C-25			Hydrofluorocarbon (HFCs)	NA			
C-27			Nitrous oxide(N2O)	NA			
C-28			Sulfur hexafluoride (SF6)	NA			
C-29			Liquid	Oiliness	Bunkers: fuel oil	NA	
C-30					Grease	NA	
C-31	Waste oil (sludge)	NA					
C-32	Bilge	NA					
C-33	Oily liquid cargo tank residues	NA					
C-34		Ballast water		NA			
C-35		Raw sewage		NA			
C-36		Treated sewage		NA			
C-37		Non-oily liquid cargo residues		NA			
C-38	Gas	Explosibility/ inflammability	Fuel gas	NA			
C-39			Dry cargo residues	NA			

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C-40		Medical waste/infectious waste	NA		
C-41		Incinerator ash	NA		
C-42		Garbage	NA		
C-43		Fuel tank residues	NA		
C-44		Oily solid cargo tank residues	NA		
C-45		Oily/contaminated rags	NA		
C-46	Solid	Batteries (incl. lead acid batteries)	NOTE		Standard NiMH (Other chemistries are available and may be used)
C-47		Pesticides/insecticide sprays	NA		
C-48		Extinguishers	NA		
C-49		Chemical cleaner (incl. electrical equipment cleaner, carbon remover)	NA		
C-50		Detergent/bleacher (could be a liquid)	NA		
C-51		Miscellaneous medicines	NA		
C-52		Fire fighting clothing and equipment	NA		
C-53		Dry tank residues	NA		
C-54		Cargo residues	NA		
C-55		Spare parts which contain materials listed in Table A or Table B	NA		

**Note:** - Small amounts of lubricating oil, anti-seize compounds and grease which are applied to or injected into machinery and equipment to maintain normal performance are ignorable.

The Object(s) of the Declaration described above are in conformity with the Guidelines for the development of the Inventory of Hazardous Materials Resolution MEPC.179(59) Adopted on 17 July 2009

**Signed for and on behalf of** : Motorola Solutions

**Date of issue (M/d/yyyy)** : 30. Jul 13

**Place of issue** :

**Full name** : Matthew C. Norton

**Position** : Director, EHS

**Signature & Company stamp** :