



GUIDANCE
NOTES
GD017-2024

CHINA CLASSIFICATION SOCIETY

GUIDELINES FOR DEVELOPMENT AND SURVEY OF THE INVENTORY OF HAZARDOUS MATERIALS OF SHIPS

CCS RULE CHANGE NOTICE

Version: 2025. RCN No.1

Effective from 1 Jan. 2026

Beijing

CONTENTS

Annex 1	Items to be Listed in the Inventory of Hazardous Materials	- 1 -
Annex 3	Form of Material Declaration	- 2 -

Annex 1 Items to be Listed in the Inventory of Hazardous Materials

Table A Hazardous materials to be prohibited

No.	Materials	Inventory			Threshold value
		Part I	Part II	Part III	
A-1	Asbestos	×			0.1% ^①
A-2	Polychlorinated biphenyls (PCBs)	×			50 mg/kg ^②
A-3	Ozone Depleting Substances	CFC	×		no threshold value ^③
		Halons	×		
		Other fully halogenated CFCs	×		
		Carbon tetrachloride	×		
		1,1,1-Trichloroethane (Methyl chloroform)	×		
		Hydrochlorofluorocarbons	×		
		Hydrobromofluorocarbons	×		
		Methyl bromide	×		
A-4	Anti-fouling systems containing organotin compounds as a biocide	×			2,500 mg total tin/kg ^④
	Anti-fouling systems containing cybutryne (CAS NO:28159-98-0)	×			1,000 mg/kg or <u>200 mg/kg</u> ^⑤
A-5	Perfluorooctane sulfonic acid (PFOS) ^⑥ and its derivatives (CAS No: 1763-23-1)	×			10 mg/kg (0.001% m/m) ^⑦

① In accordance with regulation 4 of the 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 Material Declarations.

② In accordance with regulation 4 of the Convention, for all ships, new installation of materials which contain PCBs shall be prohibited. Setting 50 mg/kg as the threshold value referring to the concentration level at which wastes, substances and articles containing, consisting of or contaminated with PCB are characterized as hazardous under the Basel Convention

③ "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.

④ This threshold value is based on the *2022 Guidelines for brief sampling of anti-fouling systems on ships* (resolution MEPC.356(78)).

⑤ ~~When samples are directly taken from the hull, average values of cybutryne are not to be present above 1,000 mg of cybutryne per kilogram of dry paint.~~ These threshold values are based on appendix I of the 2022 Guidelines for survey and certification of anti-fouling systems on ships (resolution MEPC.358(78)).

⑥ For ships flying the flag of EU members, ships applying for CCS class notation GPR(EU) or GPR(EU)+ or ships applying for the issuance of Document of Compliance of the Inventory of Hazardous Materials in compliance with Regulation (EU) No 1257/2013 only, for more details of the standards, please refer to the (EU)757/2010 regulation .

⑦ Concentrations of PFOS above 10 mg/kg (0.001% by weight) when it occurs in substances or in preparations or concentrations of PFOS in semi-finished products or articles; or parts equal to or above than 0.1% by weight calculated with reference to the mass of structurally or micro-structurally distinct parts that contain PFOS; or the amount of PFOS is equal to or above than 1 µg/m² of the textiles or other coated material.

Annex 3 Form of Material Declaration

<Date of declaration>

Date	
-------------	--

<MD ID number>

MD- ID- No.	
--------------------	--

<Supplier (respondent) information>

Company name	
Division name	
Address	
Contact person	
Telephone number	
Fax number	
E-mail address	
SDoC ID no.:	

<Other information>

Remark 1	
Remark 2	
Remark 3	

<Product information>

Product name	Product number	Delivered unit			Product information
		Amount	Unit		

<Materials information>

This materials information shows the amount of hazardous materials contained in

1	Unit
---	------

 (unit: piece, kg, m, m², m³, etc.) of the 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	
Table A	Asbestos	Asbestos	0.1% ^①				
	Polychlorinated biphenyls (PCBs)	Polychlorinated biphenyls (PCBs)	50 mg/kg				
	Ozone depleting substance	Chlorofluorocarbon (CFCs)	no threshold value				
		Halons					
		Other fully halogenated CFCs					
		Carbon tetrachloride					
		1,1,1-Trichloroethane					
		Hydrochlorofluorocarbon					
		Hydrobromofluorocarbon					
		Methyl bromide					

① In accordance with regulation 4 of the 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 Material Declarations.

		Bromochloromethane					
	Anti-fouling systems containing organotin compounds as a biocide		2,500 mg total tin/kg				
	Anti-fouling systems containing cybutryne		1,000 200 mg/kg ^①				
	Perfluorooctane sulfonic acid (PFOS)* and its derivatives		10 mg/kg (0.001% m/m) ^②				

① ~~When samples are directly taken from the hull, average values of cybutryne are not to be present above 1,000 mg of cybutryne per kilogram of dry paint. These threshold values are based on appendix I of the 2022 Guidelines for survey and certification of anti-fouling systems on ships (resolution MEPC.358(78)).~~

② Concentrations of PFOS above 10 mg/kg (0.001% by weight) when it occurs in substances or in preparations or concentrations of PFOS in semi-finished products or articles; or parts equal to or above than 0.1% by weight calculated with reference to the mass of structurally or micro-structurally distinct parts that contain PFOS; or the amount of PFOS is equal to or above than 1 µg/m² of the textiles or other coated material.