



**CHINA CLASSIFICATION SOCIETY**

**RULES FOR CONSTRUCTION  
AND EQUIPMENT OF SHIPS  
CARRYING DANGEROUS  
LIQUID CHEMICALS IN BULK**

**2022 RCN No.1**

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**PART THREE INTERNATIONAL CODE FOR THE  
CONSTRUCTION AND EQUIPMENT OF SHIPS CARRYING  
DANGEROUS CHEMICALS IN BULK.**

**Chapter 5 Cargo Transfer**

**5.2 Piping fabrication and joining details**

5.2.5 Welding, post-weld heat treatment and non-destructive testing shall be performed in accordance with recognized standards.

*CCS5.2.5a Cargo piping butt welds shall be subjected to radiographic or ultrasonic testing at least 10% of the welded connections.*

## Chapter 6 Materials of Construction, Protective Linings and Coatings

6.3 Where applicable, the following should be taken into account in selecting the material of construction:

- .1 notch ductility at the operating temperature;
- .2 corrosive effect of the cargo; and
- .3 possibility of hazardous reactions between the cargo and the material of construction.

*CCS6.3a In addition to the requirements of IBC Code, materials of construction are to comply with the requirements of the Rules for Materials and Welding.*

*CCS6.3b Materials to be used for pipes, valves and fittings are to be suitable for the medium and service for which the piping is intended. ~~Classes of pipes are to be determined according to the toxicity and corrosiveness of the cargo to be carried and the design pressure and design temperature of pipes. For toxic cargoes, the cargo pipes belong to class I. For corrosive cargoes, or flammable cargoes heated above flash point or with flash point below 60°C cargoes, the cargo pipes at least belong to class II. Open ended pipes and vent pipes at least belong to class III.~~*

## Chapter 11 Fire Protection and Fire Extinction<sup>①</sup>

### 11.1 Application

11.1.1 The requirements for tankers in SOLAS chapter II-2 shall apply to ships covered by the Code, irrespective of tonnage, including ships of less than 500 tons gross tonnage, except that:

- .1 regulations 10.8 and 10.9 shall not apply;
- .2 regulation 4.5.1.2 (i.e. the requirements for location of the main cargo control station) need not apply;
- .3 regulations 10.2, 10.4, and 10.5 shall apply as they would apply to cargo ships of 2,000 tons gross tonnage and over;
- .4 regulation 10.5.6 shall apply to ships of 2,000 gross tonnage and over;
- .5 the provisions of 11.3 shall apply in lieu of regulation 10.8;
- .6 the provisions of 11.2 shall apply in lieu of regulation 10.9;
- .7 regulation 4.5.10 shall apply to ships of 500 gross tonnage and over, replacing “hydrocarbon gases” by “flammable vapours” in the regulation; and
- .8 regulations 13.3.4 and 13.4.3 shall apply to ships of 500 gross tonnage and over.

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<sup>①</sup> Refer to MSC-MEPC.2/Circ.14 on Products requiring oxygen-dependent inhibitors.