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**NATIONAL STANDARD OF THE  
PEOPLE'S REPUBLIC OF CHINA**

**GB 40558-2021**

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**The safety requirements for marine shipping solid bulk cargoes**

固体散装货物海运安全技术要求

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## Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard was proposed and managed by the Ministry of Transport of the People's Republic of China. Technical requirements for maritime safety of solid bulk cargoes

## 1 Scope

GB 40558-2021 is the Chinese national standard on the safety requirements for marine shipping solid bulk cargoes, in the field of services and company organization. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 10 August 2021 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 March 2022. Classification: ICS 03.220.40, CCS R09. This page is published from the official record of

the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the grouping and hazard classification of solid bulk cargoes, the basic requirements for maritime safety technology, and the transportation of various solid bulk cargoes. Special requirements for loss. This standard applies to the transportation of solid bulk cargoes in the sea areas under the jurisdiction of the People's Republic of China. This standard does not apply to the transportation of bulk grains.

## 2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article. For undated reference documents, the latest version (including all amendments) is applicable to this document.

JT/T 1121 Safety technical requirements for ships carrying self-heating coal  
 JT/T 1122 Safety technical requirements for ships carrying easy-to-release methane coal  
 JT/T 1123 Classification method for solid cargoes that are dangerous only in bulk

Technical Specifications for Statutory Inspection of Sea Vessels (Maritime Safety Administration of the People's Republic of China)  
 IMOEmS Emergency Response Procedures for Ships Carrying Dangerous Goods (Emergency Response Procedures for Ships Carrying Dangerous Goods)  
 IMOIMDG International Maritime Dangerous Goods Code  
 (International Maritime Dangerous Goods Code)  
 IMOIMSBC International Maritime Solid Bulk Cargo Code (International Maritime Solid Bulk Cargoes Code)  
 IMOSOLAS 1974 International Convention for the Safety of Life at Sea (International Convention for the Safety of Life at Sea, 1974)  
 IMO International Code for the Safe Carriage of Grain in Bulk (International Code for the Safe Carriage of Grain in Bulk)

## 3 Terms and definitions

The following terms and definitions apply to this document.

**3.1 Solid bulk cargo** solid bulk cargo Solid bulk A basically uniform mixed cargo consisting of powder, granules or larger bulk materials, and this kind of cargo is generally directly loaded into the cargo hold of the ship Without intermediate packaging.

**3.2 Easy to fluidize solid bulk cargo** solid bulk cargoes which may liquefy Goods containing at least some fine particles and a certain amount of moisture, during transportation, if the moisture content of these goods exceeds their transportable moisture level Limit, may be fluidized.

**3.3 Solid bulk dangerous cargo** solid bulk dangerous cargo It has the characteristics of explosion, flammability, poisoning, corrosion, radioactivity, pollution hazards, etc., and it is easy to cause personal injury and property damage during ship transportation.