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

GB/T 16310.5-2019

Replacing GB/T 16310.5-1996

**Specification on evaluation method of hazards of liquid
chemical transported in bulk by shippingPart 5: Hazard
evaluation procedure and determination of pollution category**

**船舶散装运输液体化学品危害性评价规范 第5部分：危害性评价程序与污染分类
方法**

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Foreword

GB/T 16310 `` Code for Hazard Evaluation of Liquid Chemicals Transported in Bulk by Ships " is divided into 5 parts.

- Part 1. Test method for acute toxicity of aquatic organisms;
- Part 2. Test method for aquatic organism accumulation;
- Part 3. Test method for contamination of aquatic organisms;
- Part 4. mammalian toxicity test methods;
- Part 5. Hazard evaluation procedures and pollution classification methods. This part is Part 5 of GB/T 16310. This section is drafted in accordance with the rules given in GB/T 1.1-2009. This section replaces GB/T 16310.5-1996 "Hazard evaluation procedures and Classification of Pollution. Compared with GB/T 16310.5-1996, the main technical changes of this part are as follows:
 - Added in the scope this section does not apply to oils, liquefied gases and radioactive materials (see Chapter 1);
 - Revised the definition of liquid chemicals (see 3.1.1, Chapter 3 of the.1996 edition);
 - Increased X-toxic liquid substances, Y-toxic liquid substances, Z-toxic liquid substances, other liquid substances and bioaccumulation Terms and definitions (see 3.1.2 ~ 3.1.6);
 - Added symbols and abbreviations (see
 - Increased evaluation indicators (see 4.1);
 - Revised the evaluation procedure (see 4.2, Chapter 4 of the.1996 edition);
 - Increased the hazardous schematic diagram of the substance (see 4.3);

--- Modified the classification method of liquid chemical pollution (see Chapter 5,

1 Scope

GB/T 16310.5-2019 is the Chinese national standard on specification on evaluation method of hazards of liquid chemical transported in bulk by shipping part 5: hazard evaluation procedure and determination of pollution category, in the field of services and company organization. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 31 December 2019 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 July 2020. Classification: ICS 03.220.40, CCS R25. 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 part of GB/T 16310 specifies the hazard evaluation procedures for liquid chemicals transported in bulk by ships, and the classification methods for liquid chemical pollution. Methods, classification methods for contamination of mixtures, and reporting of results. This section applies to the hazard evaluation and pollution classification of liquid chemicals transported in bulk by ships. This section does not apply to the hazard evaluation and pollution classification of oil, liquefied gas and radioactive substances transported in bulk by ships.

Note 1. For the definition of oil, see Annex I of the International Convention for the Prevention of Pollution from Ships.

Note 2. For the definition of liquefied gas, see the International Code for the Construction and Equipment of Ships Carrying Liquefied Gases in Bulk.

2 Normative references

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

GB/T 611 General method for density determination of chemical reagents

GB/T 10247 Viscosity measurement method

GB/T 21616 Vapor pressure test method for flammable liquids of dangerous goods

GB/T 21800 Chemical biological enrichment of flowing fish tests

GB/T 21801 Chemical rapid biodegradable respirometry test

GB/T 21802 MITI test for improved rapid biodegradability of chemicals (I)

GB/T 21803 Chemical rapid biodegradability DOC reduction test

GB/T 21805 Chemical algae growth inhibition test

GB/T 21815.1 Chemical biodegradable shake flask test in seawater

GB/T 21828 Chemical Large Bream Reproduction Test

GB/T 21830 Chemical Acute Activity Inhibition Test

GB/T 21831 Chemical fast biodegradable closed bottle test

GB/T 21845 Chemical water solubility test