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

GB 15603-2022

Replacing GB 15603-1995

**General rules for the warehouse storage of hazardous
chemicals**

危险化学品仓库储存通则

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part

1. Structure and Drafting Rules for Standardization Documents" drafting. This document replaces GB 15603-1995 "General Rules for the Storage of Commonly Used Chemical Hazardous Products". Compared with GB 15603-1995, except for structural adjustment and Apart from editorial changes, the main technical changes are as follows:

---Changed the scope of application of the standard (see Chapter 1, Chapter 1 of the.1995 edition);

--- Changed the terms and definitions (see Chapter 3, Chapter 3 of the.1995 edition);

--- Changed storage facility requirements (see 4.1, 5.2, Chapter 5 of the.1995 edition);

--- Changed the requirements for safety facilities (see 4.1, Chapter 9 of the.1995 edition);

--- Increased the requirements for hazardous chemicals storage information management system (see 4.2, 4.3, 4.4);

--- Deleted the relevant requirements of "open stacking" (see 4.3, 6.2 of the.1995 edition);

---Delete the requirements of "average storage capacity per unit area" and "maximum storage volume in a single storage area" (see

6.2 of the.1995 edition);

--- Increased data document storage time requirements (see 4.3, 7.7, 8.5, 9.5);

--- Increased the requirements for safety protection distance (see 5.6, 5.7, 5.8, 6.2 of the.1995 edition);

1 Scope

GB 15603 governs how hazardous chemicals are stored in a warehouse: the basic requirements for the building and its fire, ventilation and containment provisions, the storage requirements by hazard class, the rules for loading, unloading, handling and stacking, the procedures for receiving, holding and issuing stock, personal protection, safety management and the training of the staff. Annex A is the part consulted daily - the segregation table that says which classes may be stored together and which may not. The 2022 edition replaces GB 15603-1995 and aligns the segregation rules with the current classification. Issued on 29 December 2022, in force since 1 July 2023. 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 edition it replaces are taken from there. The clause text, the tables and the numeric limits are not reproduced on this page - they are in the document itself, which is delivered in full in English translation.

This document stipulates the basic requirements, storage requirements, loading and unloading, handling and stacking, warehousing operations, in-warehouse management, Outbound operations, personal protection, safety management, personnel and training, etc. This document is applicable to hazardous chemical storage and storage management of hazardous chemical warehouses of operating enterprises.

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text. Among them, dated references Only the version corresponding to that date applies to this document. For undated references, the latest edition (including any amendments) applies to this document.

GB 2894 Safety Signs and Guidelines for Their Use

GB 18265 Basic Requirements for Safety Technology of Enterprises Operating Hazardous Chemicals

GB 30077 Requirements for emergency rescue materials for hazardous chemical units

GB/T 34525 Gas cylinder handling, loading and unloading, storage and use safety regulations

GB 39800.1 Personal Protective Equipment Provisioning Specifications Part

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Dedicated warehouses and ancillary facilities for storing hazardous chemicals. [Source: GB 18265-2019, 3.1]

3.2 Items that are prone to chemical reactions with each other or have different fire extinguishing methods.

3.3 Isolated storage segregated storage In the same room or in the same area, different items are separated by a certain distance, and non-taboo items are stored in passageways to maintain space Way.

3.4 Separate storage cut-off storage In the same building or in the same area, use partitions or walls to separate different taboo items for storage.