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

GB/T 9015-2025

Replacing GB/T 9015-1998

Hexamethylenetetramine for industrial use

工业用六亚甲基四胺

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Standardization Administration of the PRC**

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1. Structure and Drafting Rules of Standardization Documents". Drafting. This document replaces GB/T 9015-1998 "Industrial Hexamethylenetetramine". Compared with GB/T 9015-1998, the main differences are structural adjustments and revisions. Aside from the logical changes, the main technical changes are as follows:

- a) Change the product grading system to a classification system (see Chapter 4, Chapter 3 of the 1998 edition);
- b) The indicators for appearance, purity, moisture, and residue on ignition have been changed (see Table 1, 1998 edition);
- c) The method for determining moisture content without pyridine Karl Fischer reagent has been removed, and the method for determining moisture content by drying has been added (see 6.4.2, 1998). Version 4.2.2);
- d) The sample weight and ignition temperature for the determination of residue on ignition have been changed (see 6.5, 4.3 of the 1998 edition);
- e) The methods for determining heavy metals, chlorides, sulfates, and ammonium salts have been revised (see 6.6-6.9, 4.5-4.8 of the 1998 edition);
- f) The inspection rules have been changed (see Chapter 7, Chapter 5 of the 1998 edition);
- g) Changes were made to the markings, packaging, transport, and storage (see Chapter 8, Chapter 6 of the 1998 edition). Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed by the China Petroleum and Chemical Industry Federation. This document is under the jurisdiction of the National Technical Committee on Chemical Standardization (SAC/TC63). This document was drafted by: Hutubi County

Ruiyuantong Chemical Co., Ltd., Sinopec (Beijing) Chemical Research Institute Co., Ltd., and Beijing Jun Yi Technology Co., Ltd., Heshuo County Nanhua Chemical Co., Ltd., Hangmo New Materials Group Co., Ltd., Shanxi Huafengyang Chemical Co., Ltd. The company, Shanghai Institute of Metrology and Testing Technology, Zhejiang Jiamin New Materials Co., Ltd., Hangmo Technology New Materials (Fuyang) Co., Ltd., Changji College. The main drafters of this document are. Guo Yanwei, Zhang Xiaowei, Liu Guohui, Li Jie, Meng Fuliang, Sun Bo, Yang Zhengshe, Cao Ling, Luo Sha, Zhang Mo, and Cheng Wenming. Wan Shengbing and Zhou Dapeng. The release history of this document and the document it replaces is as follows: GB/T 9015-1988 was first published in 1988 and revised for the first time in 1998.

---This is the second revision. Industrial hexamethylenetetramine Warning

---This document is not intended to address all safety issues related to its use. Users are responsible for taking appropriate safety and health precautions. Health measures should be implemented and should comply with relevant national regulations.

1 Scope

GB/T 9015-2025 is the Chinese national standard covering hexamine as sold - the assay and the ash, the moisture and the chloride and sulfate, the appearance, and the packaging of a solid used as a resin hardener, a rubber accelerator and a fuel tablet. It replaces GB/T 9015-1998, a standard twenty-seven years old. In force from 1 May 2026. Issued on 31 October 2025, it has been in force since 1 May 2026, replacing GB/T 9015-1998.

This document provides the product classification for industrial hexamethylenetetramine, and specifies the technical requirements, inspection rules, marking, packaging, transportation, and storage. The document describes the corresponding experimental methods. This document applies to industrial hexamethylenetetramine produced from ammonia and formaldehyde.

Note. Hexamethylenetetramine molecular formula. $C_6H_{12}N_4$, structural formula., relative molecular mass. 140.19 (based on the 2022 international relative atomic mass).

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB 190 Packaging Marks for Dangerous Goods

GB/T 601 Preparation of Standard Titration Solutions for Chemical Reagents

GB/T 602 Preparation of standard solutions for the determination of impurities in chemical reagents

GB/T 603 Preparation of reagents and products used in chemical reagent test methods

GB/T 6283 Determination of Moisture Content in Chemical Products - Karl Fischer Method (General Method)

GB/T 6678 General Rules for Sampling of Chemical Products

GB/T 6679 General Rules for Sampling of Solid Chemical Products

GB/T 6682 Specifications and test methods for water used in analytical laboratories

GB/T 7531 Determination of Residue on Ignition of Organic Chemical Products

GB/T 8170 Rules for rounding off numerical values and the representation and determination of limiting values

GB/T 8946 General Technical Requirements for Plastic Woven Bags

GB/T 9728 General Method for Determination of Sulfate with Chemical Reagents

GB/T 9729 General Method for Determination of Chloride in Chemical Reagents

3 Terms and Definitions

This document does not contain any terms or definitions that need to be defined.