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

GB/T 9009-2011

Replacing GB/T 9009-1998

Formaldehyde solution for industrial use

工业用甲醛溶液

(English Translation)

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

This standard replaces GB/T 9009-1998 "industrial formaldehyde solution," compared with the GB/T 9009-1998, the main technical differences are as follows.

- Level increased by 50%, 44% industrial grade formaldehyde solution (see Chapter 4, Chapter 3 of the 1998 edition).
- Canceled 37% First grade level specifications (see Chapter 4, Chapter 3 of the 1998 edition).
- Revised test methods Density (see 5.4, version 4.1, 1998).
- Revised test methods formaldehyde content (see 5.5, Appendix B, 1998 edition 4.2).
- Revised test methods methanol content (see 5.9, Appendix C, 1998 edition 4.6).

This standard uses redrafted law revision by the United States Society for Testing and Materials standard ASTM D2378:2007 "Standard Specification 50% no grade formaldehyde polymerization inhibitor and 37% level, and not polymerization of formaldehyde. " This standard ASTM D2378:2007 compared with more structure Adjustments listed in Appendix A of this standard reg number and ASTM D2378:2007 reg control list numbered. This standard ASTM D2378. Differences technical reasons and 2007 are as follows.

- An increase of 44% industrial grade with formaldehyde (see 4.2), to meet the needs of the market.
- Indicators divided into superior products and quality products (see 4.2), which is based on the grading of industrial products related to the determination.
- Determination of the content of methanol by gas chromatography and a lookup table (see 5.9), in order to meet the analysis requirements of different grades of products.

The standard proposed by China Petroleum and Chemical Industry Association.

This standard by the National Standardization Technical Committee Chemistry Organic Chemicals Branch (SAC/TC63/SC2) centralized.

This standard drafting unit. China Petrochemical Group of Sichuan Vinyon Works.

Participated in the drafting of this standard. Guangzhou Pearl River Chemical Industry Group Co., Ltd. Guangzhou solvent factory, China Formaldehyde Industry Association, of Puyang City, Peng Xin Industry Co., Ltd., China National Petroleum Corporation Jilin Petrochemical Company fertilizer plant, Zhejiang Jin Ju Chemical Co., Ltd. and Hubei Yihua and Chemical Corporation.

1 Scope

This standard specifies the requirements for industrial use formaldehyde solution, test methods, inspection rules, marking, packaging, transportation, storage, and security. The standard Suitable for methanol oxidation by the quasi-legal system of industrial formaldehyde solution.

Molecular formula. CH_2O Molecular Weight. 30.03 (according to 2007 international relative atomic mass)

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB 190 packaging and marking of dangerous goods Preparation of GB/T 601 chemical reagent standard titration solution GB/T 603 chemical reagent test method Preparations of articles (GB/T 603-2002, ISO 6353-1 with. 1982, NEQ) General Method GB/T 3049 Industrial chemicals determination of iron content 1,10-phenanthroline spectrophotometry GB/T 3143 Determination of color liquid chemicals (Hazen unit --- platinum - cobalt color number) GB/T 4472 chemical product density, relative density measurement General GB/T 6678 General Principles for Sampling Chemical Products GB/T 6680 General rules for sampling liquid chemical products GB/T 6682 analytical laboratory use specifications and test methods (GB/T 6682-2008, ISO 3696. 1987, MOD) GB/T 8170 repair value expressed about the rules and limit values \u200b\u200band judgment GB/T 9722 General chemical reagent gas chromatography

3 Product Categories

Industrial formaldehyde solution in accordance with the content is divided into three sizes. 37% level, 44% and 50% of grade level.

4 Requirements

4.1

Appearance. transparent liquid without suspension. Low temperature allowed whitely clouded.

4.2

Industrial formaldehyde solution should meet the technical requirements in Table 1 below.