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

GB/T 26609-2011

Isobutyl acetate for industrial use

工业用乙酸异丁酯

(English Translation)

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Foreword

This standard GB/T 1.1-2009 given rule drafting.

This standard uses redrafted law revision by the United States Society for Testing and Materials standard ASTM D1718:2003 "(95% grade) acetic acid Isobutyl. " This standard ASTM D1718:2003 compared to the structure have more adjustment, listed in Appendix A of this standard and ASTM D1718:2003 reg control list numbered. This standard ASTM D1718:2003 technical differences and for the following reasons.

--- On normative references, this standard has been adjusted technical differences, in order to adapt our technical conditions, the adjusted situation Focus is reflected in the status of Chapter 2, "Normative references", the specific adjustments are as follows.

- increased references GB 190 (see 6.1);
 - increase cited GB/T 3723 (see 5.4);
 - with the GB/T 6678 and GB/T 6680 instead of ASTM D1718:2003 and ASTM reference ASTM D268 E300 (see 5.4);
 - with the GB/T 8170 instead of ASTM D1718:2003 references ASTM E29 (see 5.5);
 - with the GB/T 12717-2007 replaced ASTM D1718:2003 references ASTM D1209, ASTM D1353, ASTM D1364, ASTM D1613, ASTM D3545 and ASTM D4052 (see 4.2, 4.3, 4.4, 4.5, 4.6, 4.7 and 4.8);
 - Remove the ASTM D1718:2003 references ASTM D1078 and ASTM E1;
 - Increase the appearance requirements and test methods (see 3.1 and 4.1);
 - Set up two first-class products and superior product level (see 3.2), in order to adapt to China's industrial product grading practices;
- Index --- isobutyl acetate content by $\geq 95\%$ revised to superior products $\geq 99.5\%$, first-class products $\geq 99.0\%$ (see 3.2), which is based the actual level of production and

domestic and foreign trade domestic requirements determined;

--- Excellence in goods increased isobutanol content of the project (see 3.2), in order to meet the demanding requirements of the user;

--- Not set boiling range projects in order to avoid boiling range and isobutyl acetate content provided duplicate entries;

--- Use the "density" instead of "apparent specific gravity" (see 3.2), to adopt a unified domestic terminology;

--- Test Method for acidity, increasing the Rose acid method as arbitration (see 4.5.2).

The standard proposed by China Petroleum and Chemical Industry Association.

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

1 Scope

This standard specifies the industrial isobutyl acetate requirements, test methods, inspection rules, packaging, labeling, transportation, storage, and security.

This standard applies to the acetic acid and isobutanol in the presence of a catalyst prepared by esterification of industrial isobutyl acetate.

Molecular formula. $C_6H_{12}O_2$ Molecular weight. 116.16 (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 standard.

GB 190 packaging and marking of dangerous goods GB/T 3723 Sampling of chemical products for industrial use General Safety GB/T 6678 General Principles for Sampling Chemical Products GB/T 6680 General rules for sampling liquid chemical products GB/T 8170 repair value expressed about the rules and limit values
GB/T 12717-2007 Test method for industrial use acetates

3 Requirements

3.1

Appearance. transparent liquid without suspended impurities.

3.2

Industrial isobutyl acetate indicators should meet the requirements in Table 1.

Table 1 Technical Specifications

project

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Premium grade First grade Isobutyl acetate, w /% ≥ 99.5 ≥ 99.0 Isobutanol, w /% ≤ 0.5

-Water, w /% ≤ 0.05 ≤ 0.10 Acidity (CH_3COOH dollars), w /% ≤ 0.005 ≤ 0.010

Chroma/Hazen units (platinum - cobalt color number) ≤ 10 Density (ρ_{20})/(g/cm³) 0.870 ~

0.875 Evaporation residue, w /% ≤ 0.005 Test Method 4

4.1 Determination of appearance

According to GB/T 12717-2007 methods were prescribed 3.3.