

ICS 75.140
CCS E33



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

GB/T 17602-2018

Replacing GB/T 17602-1998

Commercial hexanes

工业己烷

Issued on: December 28, 2018

Implemented on: July 1, 2019

**Issued by: State Administration for Market Regulation;
Standardization Administration of China**

Table of Contents

Foreword

1 Scope

About this edition

Classification and status

How a Chinese national standard is set out

About this English translation

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB 17602-1998 "Industrial Hexane". Compared with GB 17602-1998, the main technical changes except editorial changes The following is as follows:

- Standard changed from mandatory to recommended;
- Increased product classification (see Chapter 3 and Table 1);
- Increased n-hexane content requirements (see Table 1);
- Increased the requirements of sulfur content, bromine index and benzene content indicators (see Table 1);
- Modify the distillation range indicators and test methods (see Chapter 2 and Table 1);
- Increased test method for benzene content (see Chapter 2 and Table 1);
- Added inspection rules and security content (see Chapters 5 and 7). This standard is proposed and managed by the National Petroleum Products and Lubricants Standardization Technical Committee (SAC/TC280). This standard was drafted. Petrochemical Research Institute of China Petroleum and Chemical Corporation, Nanjing Zhongshang Huatian Petrochemical Co., Ltd. Sinopec Jinling Branch. The main drafters of this standard. Longhua, Zhang Wenliang, and Guo Guohong. The previous versions of the standards replaced by this standard are.
- GB 17602-1998. Industrial hexane Warning
- If the appropriate precautions are not taken, the products of this standard may be in danger during production, storage, transportation and use. risk. This standard is not intended to advise on all safety issues related to this product. Users are responsible for taking appropriate safety and health measures And ensure that it meets the conditions stipulated by relevant national laws and regulations.

1 Scope

GB/T 17602-2018 is the Chinese national standard on commercial hexanes, in the field of petroleum and related technologies. 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 28 December 2018 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 July 2019.

Classification: ICS 75.140, CCS E33. 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 standard specifies the product classification, requirements and test methods, inspection rules, signs and packages of industrial hexanes prepared from petroleum fractions. Loading, transportation, storage and safety. This standard applies to chemical synthesis (such as the polymerization of polypropylene, polybutylene and ethylene propylene rubber) process with hexane solvent and preparation of binder, coating Materials, inks and industrial hexanes used in various extraction processes. This standard does not apply to edible vegetable oils and hexanes for protein extraction.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article. Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB 190 dangerous goods packaging mark

GB/T 1884 Determination of density of crude oil and liquid petroleum products -
Densitometric method

GB/T 1885 petroleum meter

GB/T 3143 Liquid chemical product color determination method (Hazen unit -
platinum-cobalt color number)

GB/T 3555 petroleum product Saybolt color measurement method (Sports colorimeter
method)

GB/T 4756 petroleum liquid manual sampling method

GB/T 6536 Determination of atmospheric distillation characteristics of petroleum products

GB/T 11134 hydrocarbon solvent shell rosin butanol value determination method

GB/T 11136 Determination of bromine index of petroleum hydrocarbons (potentiometric

titration)

GB/T 12688.9 Test methods for styrene - Part 9. Determination of trace benzene

GB 13690 Chemical Classification and Hazard Communication General Rules

GB/T 16483 Material Safety Data Sheet Contents and Project Order

GB/T 17474 Determination of benzene content in hydrocarbon solvents (gas chromatography)

chinastandards.org - PREVIEW