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PETROCHEMICAL INDUSTRY STANDARD
OF THE PEOPLE'S REPUBLIC OF CHINA

ICS 75.140

E 42

NB/SH/T 0416-2019

Replacing NB/SH/T 0416-2014

Heavy liquid paraffin

重质液体石蜡

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Foreword

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

This Standard replaces NB/SH/T 0416-2014 "Heavy liquid paraffin".

Compared with NB/SH/T 0416-2014, the major changes of this Standard are as follows:

- Expand the scope of application;
- Add product classifications;
- Add the determination method of normal paraffin hydrocarbons content, aromatic hydrocarbons and bromine index (see Chapter 2 and Table 1);
- Modify the quality indexes of initial boiling point, bromine index and flash point (see Table 1);
- Delete the normative Appendix A.

This Standard was put forward by China Petrochemical Corporation.

This Standard shall be under the jurisdiction of Subcommittee 3 on Wax of National Technical Committee 280 on Petroleum Products and Lubricants of Standardization Administration of China (SAC/TC 280/SC 3).

The drafting organizations of this Standard: PetroChina Jinxi Petrochemical Company.

Organizations that participate in the drafting of this Standard: SINOPEC Dalian Research Institute of Petroleum and Petrochemicals, SINOPEC Jinling Company, PetroChina Fushun Petrochemical Corporation, Shenyang Paraffin-Wax Chemical Co., Ltd.

The drafters of this Standard: Dong Jiao, Lian Yuqi, Yu Aidong, Lian Fuyi, Cheng Zhongqian, Luan Guohong, Zhu Min, Yu Jie.

The previous versions of this Standard are:

- SH/T 0416-1992;
- NB/SH/T 0416-2014.

Heavy liquid paraffin

Warning: If the appropriate precautions are not followed, the products under this Standard may be dangerous during the process of production, storage, transportation, and use. This Standard does not intend to make recommendations for all safety issues related to this product. It is the responsibility of the user to take appropriate safety and health measures and to ensure compliance with the conditions which are set by the relevant national regulations.

1 Scope

This Standard specifies the product classification, technical requirements and test methods, marking, packaging, transportation and storage, and sampling of heavy liquid paraffin.

This Standard applies to the heavy liquid paraffin, which is prepared by urea dewaxing process or molecular sieve dewaxing process, with kerosene or diesel fraction in petroleum as raw materials.

The products under this Standard are used as raw materials for the production of chlorinated paraffins, plastic plasticizers, synthetic detergents and other products.

2 Normative references

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

GB/T 259, Petroleum products - Determination of water-soluble acids and alkalis

GB/T 260, Test method for water in petroleum products - Distillation method

GB/T 261, Determination of flash point - Pensky-Martens closed cup method

GB/T 511, Petroleum, petroleum products and additives - Method for determination of mechanical admixtures

GB/T 3555, Petroleum products - Determination of Saybolt color - Saybolt chromometer method

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