

ICS 71.100.40

CCS G77



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

GB/T 10533-2014

Replacing GB/T 10533-2000

Water treatment chemicals-Polyacrylic acid

水处理剂 聚丙烯酸

Issued on: July 8, 2014

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**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules. This standard replaces GB/T 10533-2000 "water treatment agent polyacrylic acid", compared with the GB/T 10533-2000, the main technical change Of the following.

--- Modify the requirements of polyacrylic acid (see Table 1 in 4.2, 3.2, 2000 edition of the Table 1). The standard proposed by China Petroleum and Chemical Industry Association. This standard by the National Standardization Technical Committee chemical water treatment chemicals Technical Committee (SAC/TC63/SC5) centralized. This standard is drafted by: CNOOC Tianjin Chemical Research Institute, Henan clear Water Technology Co., Ltd., Guangzhou City Special Order Pressure Equipment Inspection Institute, Shandong Taihe Water Treatment Co., Ltd., Xiamen City, measuring Detection Technology Co., Ltd. Jiashan green environmentally friendly materials factory, China Petroleum & Chemical Corporation North of Beijing Yanshan Branch hospital. The main drafters of this standard. Shaohong Qian, Wang Zhiqing, Du Yuhui, Cheng made the final, Guo Bing, Yu Minghua, Qin Huimin, Yu Fen. This standard replaces the standards previously issued as follows:

--- GB/T 10533-1989, GB/T 10533-2000. Polyacrylic acid water treatment agent WARNING. Strong acids are used in this standard, alkali corrosive, should be used to avoid inhalation or contact with the skin. Splashed on him immediately with Plenty of water, seek immediate medical attention should be serious.

1 Scope

GB/T 10533-2014 is the Chinese national standard on water treatment chemicals-polyacrylic acid, in the field of chemical technology. 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 8 July 2014 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 December 2014. Classification: ICS

71.100.40, CCS G77. 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 polyacrylic acid requirements, test methods, inspection rules and signs, packaging, transportation and storage. This standard applies to water treatment agent with polyacrylic acid. The products are mainly used for industrial water treatment scale inhibitor and dispersant.

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/T 191 Packaging - Pictorial signs Preparation of

GB/T 601 chemical reagent standard titration solution

GB/T 603 chemical reagent in test methods - Preparations with

GB/T 6678 General Principles for Sampling Chemical Products Laboratory use specifications and test methods GB/T 6682-2008 Analysis

GB/T 8170 repair value expressed about the rules and limit values \u200b\u200band judgment

3 Molecular and structural formula

Formula. $(C_3H_4O_2)_n$ Structure.

4 Requirements

4.1 Appearance. colorless to pale yellow liquid.

4.2 polyacrylic acid by the corresponding test methods for the determination and shall meet the requirements of Table 1.