

ICS 71.080.20

CCS G17



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

GB/T 13097-2015

Replacing GB/T 13097-2007

Epichlorohydrin for industrial use

工业用环氧氯丙烷

Issued on: December 31, 2015

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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 13097-2007 "industrial epichlorohydrin," compared with the GB/T 13097-2007, the major technological change as follows:

- Increasing the range suitable for glycerol process route description (see Chapter 1);
- Superior product by the color index number ≤ 15 modify the number ≤ 10 (see 32, 2007, version 3.2.);
- Epichlorohydrin content of first-class goods and qualified products by the indicators were $\geq 99.50\%$ and $\geq 99.00\%$ and modify $\geq 99.80\%$ $\geq 99.50\%$ (see 32, 2007, version 3.2.);
- Canceled density index (see 2007 version 3.2);
- Remove the packed column Standard Test Method for Determination of epichlorohydrin; increase the glycerol product test methods (see 4.4, 2007 In version 4.4);
- Increased law and propylene glycerol epichlorohydrin production process identification method GC-MS method (see Appendix B). 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 was drafted. Yangzhou Agricultural Chemical Group Co., Ltd., Jiangsu Ruixiang Chemical Co., Ltd., China Petrochemical Group Asset Management tube Li Baling Petrochemical Company Limited, China Petroleum & Chemical Corporation Beijing Research Institute of Chemical. Participated in the drafting of this standard. Yang Chemical Co., Ltd. Ningbo ring. The main drafters of this standard. Liu Ping, Daiyou Jun, Zhang Zongyan, Liuqing Fu, Guo Yanling, Jin Jingyan. This standard replaces the standards previously issued as follows:
 - GB/T 13097-1991, GB/T 13097-2007. Industrial epichlorohydrin Warning. This standard is not intended to illustrate associated with its use of all security issues, users have the responsibility to take appropriate safety and health measures Shi, and shall comply with the relevant national regulations.

1 Scope

GB/T 13097-2015 is the Chinese national standard on epichlorohydrin for industrial use, 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 31 December 2015 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 July 2016. Classification: ICS 71.080.20, CCS G17. 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 industry with epichlorohydrin (abbreviation ECH) requirements, test methods, inspection rules, marking, packaging, transportation, Storage and security. This standard applies to the high temperature chlorination of propylene/propylene chlorohydrin or acetic acid glycerol ester method and prepared industrial epichlorohydrin. Molecular formula. C_3H_5OCl Structure. Molecular Weight. 92.52 (according to 2011 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

GB/T 3143 Determination of color liquid chemicals (Hazen unit - platinum - cobalt color number)

GB/T 6283 Determination of moisture content of chemical products Karl Fischer method (General method)

GB/T 6678 General Principles for Sampling Chemical Products

GB/T 6680 General rules for sampling liquid chemical products Laboratory use specifications and test methods GB/T 6682 Analysis

GB/T 8170 rounding off with the limit values \u200b\u200bspecified representation and decision

GB/T 9722 General chemical reagent gas chromatography

GB 15258 rules for preparation of chemical safety labels

3 Requirements

3.1 Appearance. colorless, transparent liquid, no mechanical impurities.

3.2 Industrial epichlorohydrin shall comply with the technical requirements in Table 1 below.
Table

1	Technical Requirements project index	Premium grade	First grade	Qualified
Chroma/Hazen units (platinum - cobalt color number)	≤ 10	20	25	