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**CHEMICAL INDUSTRY STANDARD OF THE PEOPLE'S
REPUBLIC OF CHINA**

中华人民共和国国家标准

HG/T 4134-2010

Polyethylene glycols for industrial use
工业聚乙二醇(PEG)

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Foreword

This standard is proposed by China Petroleum and Chemical Industry Association.

This standard shall be under jurisdiction of Chemical Industrial of Surface Active Agent Standardization.

Drafting units of this standard: Liaoning Occitan Chemical Co., Ltd. and Shanghai Dyestuffs Research Institute Co., Ltd.

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Polyethylene glycols for industrial use (PEG)

1 Scope

This standard specifies product classification, requirements, test method, rules for inspection, label, packaging, transportation and storage.

This standard is applicable to industrial polyethylene glycol series of products which are polymerized with ethylene glycol or diethylene glycol, ethylene oxide as a raw material. This kind of product is widely used in industries such as cosmetics, pharmaceutical, chemical fiber, rubber, plastics, paper, paint, electroplating, pesticide, metal processing and food processing.

Exemplary formula: $\text{HO}(\text{CH}_2\text{CH}_2\text{O})_n\text{H}$ (n represents the average number of oxyethylene group).

2 Normative References

The following standards contain provisions which, through reference in this text, constitute provisions of this standard. At time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.

GB/T 265 *Petroleum products-Determination of kinematic viscosity and calculation of dynamic viscosity*

GB/T 601 *Chemical reagent--Preparations of STANDARD volumetric solutions*

GB/T 603 *Chemical reagent--Preparations of reagent solutions for use in test methods*

GB/T 3143 *Color determination method of liquid chemicals(Hazen unit;Platinum-cobalt scale)*

GB/T 6368 *Surface active agents - Determination of pH of aqueous solution - Potentiometric method*

GB/T 6678 *General principles for sampling chemical products*

GB/T 6679 *General rules for sampling of solid chemical products*

GB/T 6680 *General rules for sampling liquid chemical products*

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