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

GB/T 21885-2008

**Textile auxiliaries - Defoaming agents - Determination of the
defoaming efficiency**

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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

Appendix A of this standard is a normative appendix. The standard proposed by China Petroleum and Chemical Industry Association. This standard by the National Standardization Technical Committee Dye (SAC/TC134) centralized. This standard was drafted. Zhejiang Chuan Co., Ltd., Shenyang Chemical Research Institute. The main drafters of this standard. Wang Shengpeng, Hongmei to awakening, Kiran piano. Textile auxiliaries defoamer Determination of anti-foaming effect

1 Scope

GB/T 21885-2008 is the Chinese national standard on textile auxiliaries - defoaming agents - determination of the defoaming efficiency, 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 15 May 2008 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 November 2008. Classification: ICS 71.100.40, CCS G70. 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 method for determination of defoamers defoaming textile printing and dyeing auxiliaries. This standard applies to silicone, textile auxiliaries measured polyether (ester) class and other water-based defoamers defoaming in.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 6682 analytical laboratory use specifications and test methods (GB/T 6682-2008, ISO 3696. 1987, MOD) Principle 3 A flow rate of the gas through a certain amount of the test solution, the formation of foam in the container. When the gas flow rate is fixed, and use the same instrument Foam height when in dynamic equilibrium, so this amount includes antifoaming and defoaming two properties. Test Method 4

4.1 Determination of anti-foaming effect (instrument method) dynamic defoaming method

4.1.1 Reagents and solutions Unless otherwise specified, use only confirm three qualified chemical water and

GB/T 6682 specified in analytical grade and commercially available reagents.

a) bubbling liquid The mass fraction of 0.5% sodium dodecyl benzene sulfonate and the mass fraction of 0.5% TX-10 with 1.1 (by volume) ratio Example uniformly mixed dubbed foaming liquid.

Note. The preparation of the bubbling liquid may vary according to the actual application prior selection and preparation.

b) a certain concentration of anti-foaming liquid Press defoamers active content meter, according to the needs of different concentrations dubbed as defoamers defoaming aqueous solution.

4.1.2 instruments and equipment

- a) Electronic balance (accuracy 0.1mg);
- b) beaker, 150mL;
- c) constant temperature water bath, 0 °C ~ 100 °C;
- d) foam tester (schematic see Appendix A);