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

GB 21178-2007

**Classification procedure for self-reactive substances and
organic peroxides
(English Translation)**

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Foreword

The standard Chapter 4, Chapter 5, Chapter 6, are mandatory, the rest are recommended.

This standard and the United Nations "on the Recommendations on the Transport of Dangerous Goods Model Regulations ." (fourteenth revised edition) and "Transport of Dangerous Goods

Recommendations Manual of Tests and Criteria "(fourth revised edition) of the non-equivalent, its technical content consistent with the above regulations,

On a standard text format according to GB/T 1.1-2000 made editorial changes.

Appendix A of this standard is a normative appendix.

This standard is managed by the National Standardization Technical Committee chemicals dangerous (SAC/TC251) and focal points.

This standard is drafted by. State Administration of Quality Supervision, Inspection and Quarantine of dangerous goods Central Laboratory.

Participated in the drafting of this standard. Tianjin CIQ.

1 Scope

This standard specifies the self-reactive substances and organic peroxides Classification, requirements and tests.

This standard applies to self-reactive substances and organic peroxides are classified.

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 4472 chemical product density, relative density measurement General

GB 19455 civilian explosives inspection of hazardous properties of dangerous goods safety regulations

GB 19521.12-2004 organic peroxides inspection of hazardous properties of dangerous goods safety regulations

ISO 3679 Determination of flash point - Rapid equilibrium closed cup method

United Nations "on the Recommendations on the Transport of Dangerous Goods Model Regulations ." (fourteenth revised edition)

United Nations "on the Recommendations on the Transport of Dangerous Goods, Tests and Criteria Handbook" (fourth revised edition)

3 Terms and Definitions

United Nations "on the Recommendations on the Transport of Dangerous Goods Model Regulations ." (fourteenth revised edition) as well as established the following terms and definitions apply

To this standard.

3.1

Containing a peroxide group -O-O- structure.

3.2

An organic substance containing bivalent -O-O- structure, and can be regarded as a derivative of hydrogen peroxide, i.e., wherein one or two hydrogen atoms are

The organic radicals substituted.

3.3

Is the material packed in shipping containers used for self-accelerating decomposition may occur minimum ambient temperature.

3.4

Its effective organic peroxide oxygen content of not more than 1.0%, and the hydrogen peroxide content of not more than 1.0%; or organic

Effective peroxide oxygen content of not more than 0.5%, and the hydrogen peroxide content exceeds 1.0%, but not more than 7.0%.

3.5

This category refers to chemical strains of low ignition point, easy contact with air oxidation reaction was exothermic and self-combustion of solid occurs, including angry

Solid and self-heating solid categories.

END: Draft Version (GB 21178-2007)

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