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

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Classification and list of organic peroxides

有机过氧化物分类及品名表

(English Translation)

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Foreword

This standard Chapter 5, Chapter 6, Section 7, Chapter 8, Chapters 9 and 10 are mandatory, the rest are recommended.

This standard was drafted in accordance with rules GB/T 1.1-2009 given.

This standard and the United Nations "on the Recommendations on the Transport of Dangerous Goods Model Regulations" (sixteenth revised edition) Part 2 and Part 7 have

Consistent with relevant technical content.

The standard proposed by the People's Republic of China Ministry of Transport.

This standard by the Dangerous Chemicals Management Standardization Technical Committee (SAC/TC251).

Drafted by. Shanghai Municipal Transport and Port Authority, the Scientific Research Institute of the Ministry of Transport, Science and Research of Waterway Transportation

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1 Scope

This standard specifies the nature of the organic peroxide is classified, temperature control requirements, desensitization, storage, transportation safety requirements, are set out

Organic peroxides specific name.

This standard applies to the transport of the organic peroxide and transportation during transit in the working storage.

2 Normative references

The following documents for the application of this document is essential. For dated references, only applies to the version dated paper

Pieces. For undated references, the latest edition (including any amendments) applies to this document.

GB 190 dangerous goods packaging logo

GB 6944 Classification and code of dangerous goods

GB 12268 of dangerous goods

GB 21178 self-reactive substances and organic peroxides categorizer

JT397 container port operations of dangerous goods safety regulations

ISO 3679 Flash point closed cup flash Ping Heng assay method

UN "Recommendations on Transport of Dangerous Goods Model Regulations of" (sixteenth revised edition)

UN "Recommendations Manual of Tests and Criteria on Transport of Dangerous Goods" (fifth revised edition)

3 Terms and Definitions

The United Nations "on the Recommendations on the Transport of Dangerous Goods Model Regulations" (sixteenth revised edition) (hereinafter referred to as "Model Regulations") defined in

And the following terms and definitions apply to this document.

3.1

Organic peroxides organicperoxides

-OO- structure containing divalent organic material may be regarded as derivatives of hydrogen peroxide, i.e., wherein one or two hydrogen atoms are organic original

Radicals in substituted.

3.2

SADT self-accelerating decomposition temperature (SADT)

Substances lowest temperature self-accelerating decomposition may occur in the container used in the transport.

4 properties

4.1

liable to exothermic decomposition of the organic peroxide at normal or elevated temperatures. Decomposition by heat, and impurities (such as acids, heavy metal compounds,

Amine) contact or impact caused by friction. As the temperature increases the decomposition rate, and with different organic peroxide formulation. Decomposition may produce

Cause harmful or flammable gases or vapors. Certain organic peroxides should transport temperature control. Some organic peroxides may explode

Decomposition, particularly in a closed condition. This characteristic may be modified by the addition of a suitable diluent or containers. Many organic peroxides

Oxide burning fiercely.

4.2

Some organic peroxides, even brief contact will cause serious damage to the cornea, or corrosive to the skin.

Category 5

Classification of organic peroxides see GB 6944.

5.1 Classification program

Organic peroxide classification procedure see GB 21178.

5.2 is not included in the name list of organic peroxides Classification

The organic peroxides are not included in the table name (see Appendix A), and "Model Regulations" used IBCs Packaging IBC520 (see

"Model Regulations"), or portable tank instruction T23 (see "Model Regulations") of an organic peroxide (see Appendix B) generic classification and allocation

Entry, by the competent authorities of the country of origin determined in accordance with

the relevant conditions of transport testing organizations test report with the appropriate qualifications.

5.3 Samples

Organic peroxide or included in new product name table (see Appendix A) an organic peroxide with a new sample of the article, if not finished

A full test data, and in order to test or evaluate the need for further transport, an appropriate entry may be classified as organic peroxide type C, but

Should meet the following conditions.

- a) the existing data indicates that the sample is not more dangerous than the B type of organic peroxide;
- b) The method of packaging sample See "Model Regulations", each number contained in the transport means limited to 10kg;
-) C existing data indicate that prevent the control temperature (if any) is too high to cause any danger of decomposition, is too low to cause any danger

Phase separation risk.

Organic peroxide and 5.4 UN number table

5.4.1 organic peroxide and GB 12268 corresponding to the numbers in Table 1 of the United Nations.

Table 1 No. UN, organic peroxide type table

UN number

(UN number)

Name and Description

3102 solid organic peroxide B

C-3103 liquid organic peroxides

C 3104 solid organic peroxide

Liquid organic peroxide type D 3105

Solid organic peroxide type D 3106

3108 E-type solid organic peroxide

Liquid organic peroxide type F 3109