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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GA 500-2004

Aerosol fire extinguishing agent

气溶胶灭火剂

(English Translation)

Issued on: June 4, 2004 **Implemented on: October 1, 2004**

Issued by: Ministry of Public Security of the People Republic of China

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Foreword

Chapters 4 and 5 of this standard are mandatory and the rest are recommended.

The "extinguishing performance" in the technical content of this standard is modified by ISO 14520-1 "Gas Fire Extinguishing System - Physical Properties and System Design" , "Physical and chemical properties" refers to GB 15060-2002 "ammonium phosphate dry powder fire extinguishing agent" and AS/NZS4487..1997 "Yi Anlong automatically extinguished Fire System". According to its characteristics, it increases the burning rate, earthquake resistance, thermal stability, corrosion of combustion products, impact sensitivity and other technologies.

index.

This standard was proposed by the Fire Department of the Ministry of Public Security.

This standard is under the jurisdiction of the Third Technical Committee of the National Fire Protection Standardization Technical Committee.

This standard is provided by the Tianjin Fire Research Institute of the Ministry of Public Security, Kunshan Ninghua Flame Retardant Chemical Materials Co., Ltd., and Shanxi Anhua Fire Extinguishing Equipment Co., Ltd.

The division is responsible for drafting.

1 Scope

This standard specifies the definition, classification, requirements, test methods, inspection rules, marking, packaging, storage and transportation of aerosol fire extinguishing agents.

This standard applies to hot aerosol fire extinguishing agents.

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2 Normative references

The terms in the following documents become the terms of this standard by reference to this standard. All dated references, followed by all Modifications (not including errata content) or revisions do not apply to this standard, however, parties to agreements based on this standard are encouraged to study Whether to use the latest version of these files. For undated references, the latest edition applies to this standard.

GB/T 6682-1992 Analytical laboratory water specifications and test methods (neq ISO 3696:1987) GB 15060-2002 Ammonium phosphate dry powder fire extinguishing agent GJB772.206-1989 Explosive test method impact sensitivity - explosion probability method SH0004-1990 Solvent oil for rubber industry

3 Terms and definitions

The following terms and definitions apply to this standard.

A stable or quasi-stable system in which liquid or solid particles are suspended in a gaseous medium.

An extinguishing agent having an extinguishing agent aerosol is produced by combustion or other means.

An extinguishing agent having an aerosol for extinguishing the fire is produced by combustion.

4.1.1 Chemical composition

The manufacturer shall disclose the components of the oxidant and reducing agent in the aerosol fire extinguishing agent. The allowable deviation of the oxidant does not exceed ±2% of the published value.

4.1.2 Security

The various raw materials used to produce aerosol fire extinguishing agents must be not significantly toxic to living organisms, and the combustion products do not contain harmful components that destroy the ozone layer.

4.2 Technical requirements

The main performance of aerosol fire extinguishing agent should meet the requirements of Table 1.

Table 1

Project sample form technical indicator unqualified type Bulk density/(g/cm3) powder

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factory published value ± 0.1 C Moisture content /% powder and drug column <=2.0 C

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