

Technical Requirement for Environmental Products

The Certificable Technical Requirement for Environmental Labelling Products

Halon-free Fire-extinguishers

HJBZ 27—1998

1 Scope

This technical requirement specifies definition, basic requirements and technical contents for environmental labelling products of halon-free fire-extinguishers.

This technical requirement shall apply to halon-free fire extinguishers made from halon-free agent such as ABC powder extinguishing agent, AFFF aqueous film-forming foam fluid, carbon dioxide fire extinguishing agent, water fire extinguishing agent, inert gases, HFC, HCFC.

2 Standards cited

Provisions in the following standards are cited in this technical requirement, and therefore form the provisions in this standard. They have the same effectiveness as the technical requirement itself.

- GB 4351—1997 General specifications for portable fire extinguishers
- GB 4396—84 Fire extinguishing agent—Carbon dioxide
- GB 4398—1984 Portable water fire extinguisher
- GB 4399—84 Portable carbon dioxide fire extinguisher
- GB 8109—87 Characteristics and tests for transportable fire extinguishers
- GB 12515—90 Portable dry powder fire extinguishers (stored-pressure)
- GB 13463—92 Alcohol resistant foam extinguishing agent
- GB 13532—92 General specifications for powder-extinguishing agent
- GB 15060—94 Fire extinguishing agent—Ammonium phosphate
- GB 15308—94 General specifications for foam extinguishing agents
- GB 15368—94 Portable foam fire extinguishers

In case of the criteria above are revised, the latest version should be applied.

3 Definition

3.1 "Halon extinguishing agent" is a general term for halogenated hydrocarbon capable of extinguishing fire.

3.2 "AFFF (Aqueous film-forming foam extinguishing agent)" refers to a synthetic foaming agent made from fluorocarbon surfactants, improved foaming additives and water. The generated fire foam may produce water film to restrain evaporation of flammable liquid except for its general characteristic of foam.

3.3 "ABC powder extinguishing agent" refers to powder extinguishing agent applicable to fire risk of type A, B and C.

3.4 "Water extinguishing agent series" refers to liquid fire extinguishing agent consisted of water, wetting agent, fire retardant and additive, which extinguishing fire in form of liquid drop or mixed form of liquid drop and foam.

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4 Basic requirements

4.1 Quality of fire extinguishers should conform with the requirements in GB4351—1997, GB4398—1984, GB4399—84, GB12515—90, GB8109—87, GB15368—94.

4.2 Quality of fire extinguishing agents should conform with the requirements in GB4396—84, GB 13463—92, GB 13532—92, GB 15060—94, GB 15308—94.

4.3 Pollutant emission of the company should be obliged to conform with pollutant emission standards nationally or locally.

4.4 Products should hold a production licence issued by police.

5 Technical contents

No halon should be used as fire extinguishing agent in the products of fire extinguisher.

Annotations:

This technical requirement has been prepared by Department of science and technology, standards of State Environment Protection Administration.

The State Environment Protection Administration keeps the right of interpretation for this technical requirement.