

# Technical Requirement for Environmental Products

## The Certificable Technical Requirement for Environmental Labelling Products

### ODS Substitute

HJBZ 41—2000

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#### 1 Scope

This technical requirement specifies definitions, basic requirements, technical contents and test method of environmental labelling for ozonosphere depleting substances substitute.

This technical requirement shall apply to various products that substitute ODS, including cryogen, foaming agent, propellant, cleaning solvent, fire extinguishing agent, disinfectant, etc.

#### 2 Definition

2.1 "Ozone depleting substances (ODS)" refer to substances of CFC released into atmosphere, which react with ozone by effect of solar ultraviolet after CFC enter into isothermal layer of the atmosphere, and then ozone molecule is resolved into common oxygen molecule and chlorine monoxide, thus lead to reduction of concentration of atmospheric ozone. ODS include Chloro Fluoro Carbon (less than 4 carbon atoms), halon ( haloalkane), carbon tetrachloride, trichloroethane, some hydrochlorofluorocarbons (HCFCs), hydrobromofluorocarbons (HBFCs) and bromomethane and so on.

2.2 " Ozone depleting potential (ODP)" is a number that refers to the amount of ozone depletion caused by a substance within its life in atmosphere. The ODP is the ratio of the impact on ozone of a chemical compared to the impact of a similar mass of CFC-11.

#### 3 Basic requirements

3.1 Quality of products shall conform with requirement of relevant product quality standard.

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

#### 4 Technical contents

Ozone depleting potential (ODP) of products should be  $\leq 0.11$ .

#### 5 Test

Checking should be conducted by the way of documentation review and field inspection.

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#### 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.