



## FEDERAL SUBSIDIARY LEGISLATION

### ENVIRONMENTAL QUALITY ACT 1974 [ACT 127]

P.U.(A) 434/93

#### ENVIRONMENTAL QUALITY (PROHIBITION ON THE USE OF CHLOROFLUOROCARBONS AND OTHER GASES AS PROPELLANTS AND BLOWING AGENTS) ORDER 1993

Publication : 30th December 1993  
Date of coming into operation : 31st December 1993

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## **Preamble**

IN exercise of powers conferred by section 30 of the Environmental Quality Act 1974 [Act 127], the Minister, after consultation with the Environmental Quality Council, makes the following order:

### **Order 1. Citation.**

This Order may be cited as the **Environmental Quality (Prohibition on the Use of Chlorofluorocarbons and Other Gases As Propellants and Blowing Agents) Order 1993.**

### **Order 2. Interpretation.**

In this Order, unless the context otherwise requires-

"aerosol" means any substance packed under pressure in a container with a device for releasing it as a foam, fine spray, solid or liquid stream;

"blowing agent" means any substance used as a filler of space to provide volume or rigidity to any product used with such substance;

"controlled substance" means any substance specified in the Schedule whether existing alone or in a mixture;

"propellant" means any gaseous material which serves to expel the content of a container.

### **Order 3. Prohibition on the use of controlled substance as propellant.**

(1) Subject to subparagraph (2), the use of any controlled substance as propellant-

(a) in any manufacturing process, trade or industry of aerosol; and

(b) in any manufacturing process, trade or industry of portable fire extinguisher,

is prohibited with effect from the 1st June 1994.

(2) The use of any controlled substance as propellant in any manufacturing process, trade or industry of aerosol in any pharmaceutical product which is-

(a) registered under regulation 8 of the Control of Drugs and Cosmetics Regulations 1984 [P. U. (A) 223/84]; and

(b) used solely for medical treatment,

is prohibited with effect from the 1st January 1999.

#### **Order 4. Prohibition on the use of combustible gas as propellant.**

The use of combustible petroleum gas or other combustible gas as propellant in any manufacturing process, trade or industry of aerosol is prohibited with effect from the 1st January 1999.

#### **Order 5. Prohibition on the use of controlled substance as blowing agent.**

(1) Subject to subparagraph (2), the use of any controlled substance as blowing agent in any manufacturing process, trade or industry is prohibited with effect from the 1st June 1994.

(2) The use of any controlled substance as blowing agent-

(a) to produce-

(i) extruded polystyrene foam;

(ii) thermoformed plastic packaging; and

(iii) moulded flexible polyurethane foam,

is prohibited with effect from the 1st July 1995; and

(b) to produce rigid polyurethane foam is prohibited with effect from the 1st January 1999.

## Order 6. Areas where prohibition to apply.

The use of the materials specified in paragraphs 3, 4 and 5 for the purposes mentioned in the aforesaid paragraphs is prohibited within all areas in Malaysia.

## Order 7. Non-application.

The prohibition on the use of any controlled substance, combustible petroleum gas or other combustible gas as propellant or blowing agent under paragraph 3, 4 or 5, as the case may be, shall not apply in cases where the Minister is satisfied that-

(a) the use of the controlled substance, combustible petroleum gas or other combustible gas is essential for the protection of human health or safety; and

(b) alternative to the controlled substance, combustible petroleum gas or other combustible gas is not available.

## SCHEDULE

### CONTROLLED SUBSTANCES

#### Part I

<i>Group</i>	<i>Chemical formula</i>	<i>Substance</i>	
I	CFC1 <sub>3</sub>	Trichlorofluoromethane	(CFC-11)
	CF <sub>2</sub> C1 <sub>2</sub>	Dichlorodifluoromethane	(CFC-12)
	C <sub>2</sub> F <sub>3</sub> C1 <sub>3</sub>	Trichlorotrifluoroethane	(CFC-113)
	C <sub>2</sub> F <sub>4</sub> C1 <sub>2</sub>	Dichlorotetrafluoroethane	(CFC-114)
	C <sub>2</sub> F <sub>5</sub> C1	Chloropentafluoroethane	(CFC-115)
II	CF <sub>2</sub> BrC1	Bromochlorodifluoromethane	(halon-1211)
	CF <sub>3</sub> Br	Bromotrifluoromethane	(halon-1301)
	C <sub>2</sub> F <sub>4</sub> Br <sub>2</sub>	Dibromotetrafluoroethane	(halon-2402)

## Part II

I

$\text{CF}_3\text{C}_1$	Chlorotrifluoromethane	(CFC-13)
$\text{C}_2\text{FCI}_5$	Pentachlorofluoroethane	(CFC-111)
$\text{C}_2\text{F}_2\text{C}_4$	Tetrachlorodifluoroethane	(CFC-112)
$\text{C}_3\text{FC}_7$	Heptachlorofluoropropane	(CFC-211)
$\text{C}_3\text{F}_2\text{C}_6$	Hexachlorodifluoropropane	(CFC-212)
$\text{C}_3\text{F}_3\text{C}_5$	Pentachlorotrifluoropropane	(CFC-213)
$\text{C}_3\text{F}_4\text{C}_4$	Tetrachlorotetrafluoropropane	(CFC-214)
$\text{C}_3\text{F}_5\text{C}_3$	Trichloropentafluoropropane	(CFC-215)
$\text{C}_3\text{F}_6\text{C}_2$	Dichlorohexafluoropropane	(CFC-216)
$\text{C}_3\text{F}_7\text{C}_1$	Chloroheptafluoropropane	(CFC-217)

II

$\text{CCl}_4$  Carbon tetrachloride

III

$\text{C}_2\text{H}_3\text{C}_1^*$  1, 1, 1-trichloroethane  
(methyl chloroform)

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\* This formula does not refer to 1, 1, 2-trichloroethane.

Made the 25th October 1993.

[KST&AS (U) 902/JAS; PN. (PU<sup>2</sup>) 280/IV.]

DATUK LAW HIENG DING,

*Minister of Science, Technology and the Environment*

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