

Eco-mark Scheme

ECOMARK CRITERIA FOR AEROSOL PROPELLANTS (The Gazette of India, Extraordinary, Part II-Section 3(i), No. 170, May 18, 1996)

GENERAL REQUIREMENTS :

Propellants used in aerosol products shall meet the relevant Standards of BIS (Bureau of Indian Standards) pertaining to safety, quality and performance.

The manufacturer must produce the consent clearance as per the provisions of water (Prevention and Control of Pollution) Act 1974 and Air (Prevention and Control of Pollution) Act 1981 along with the authorisation, if required under environment (Protection) Act 1986 and the rules made thereunder to BIS while applying for Ecomark.

The product package shall be suitably marked that the Ecomark label is applicable only to the propellants used in Aerosol sprays, if the product package is not separately covered under the Ecomark Scheme.

Product package or leaflet accompanying it may display instructions of proper use, storage and disposal so as to maximise the product performance, safety and minimise wastage.

The material used for product packaging shall be made from recyclable or biodegradable material.

PRODUCT SPECIFIC REQUIREMENTS :

The aerosol propellants shall not contain any Ozone Depleting Substances (ODS) relevant to Aerosol industry as identified under Montreal Protocol. List enclosed.
NOTE: Use of mechanical devices for generation of aerosols shall be encouraged for Ecomark. List of Controlled Substances (CDS) as identified under Montreal Protocol**

Annexure A **Controlled Substances**

Group	Substance	Ozone Depleting Potential*
Group I		

CFCI 3	(CFC-11)	1.0
CF 2 CL 2	(CFC-12)	1.0
C 2 F 3 Cl 3	(CFC-113)	0.8
C 2 F 4 Cl 2	(CFC-114)	1.0
C 2 F 5 Cl	(CFC-115)	0.6
CF 2 BrCl	(halon-1211)	3.0
CF 4 Br	(halon-1301)	10.0
C 2 F 4 Br 2	(halon-2402)	6.0

* These ozone depleting potentials are estimates based on existing knowledge and will be reviewed and revised periodically.

** Source: Handbook for the Montreal Protocol on Substances that deplete the Ozone layer', Ozone Secretariat, UNEP, August 1993.

Annexure B Controlled Substances

Group	Substance	Ozone Depleting Potential*
Group I		
CF 3 Cl	(CFC-13)	1.0
C 2 FCl 5	(CFC-111)	1.0
C 2 F 2 Cl 4	(CFC-112)	1.0
C 3 FCl 7	(CFC-211)	1.0
C 3 F 2 Cl 6	(CFC-212)	1.0
C 3 F 3 Cl 5	(CFC-213)	1.0
C 3 F 4 Cl 4	(CFC-214)	1.0
C 3 F 5 Cl 3	(CFC-215)	1.0
C 3 F 6 Cl 2	(CFC-216)	1.0
C 3 F 7 Cl	(CFC-217)	1.0
Group II		
CCL 4	carbon tetrachloride	
Group III		
C 2 H 3 Cl 3 *	1,1,1-trichloroethane	
	(methyl chloroform)	

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