

Environmental Protection Agency

Pt. 82, Subpt. A, App. I

5. Pursuant to Decision XVIII/15 of the Parties to the Montreal Protocol, methyl bromide is exempted for the following approved essential laboratory and analytical purposes listed in following items (a) through (d). Use of methyl bromide for field trials is not an approved use under the global laboratory and analytical use exemption. The provisions of Appendix G, paragraphs (1), (2), (3), and (4), regarding purity, mixing, container, and reporting requirements for other exempt ODSs, also apply to the use of methyl bromide under this exemption.

a. Methyl bromide is exempted as an approved essential laboratory and analytical use as a reference or standard to calibrate equipment which uses methyl bromide, to monitor methyl bromide emission levels, or

to determine methyl bromide residue levels in goods, plants and commodities;

b. Methyl bromide is exempted as an approved essential laboratory and analytical when used in laboratory toxicological studies;

c. Methyl bromide is exempted as an approved essential laboratory and analytical use to compare the efficacy of methyl bromide and its alternatives inside a laboratory; and

d. Methyl bromide is exempted as an approved essential laboratory and analytical use as a laboratory agent which is destroyed in a chemical reaction in the manner of feed-stock.

[60 FR 24986, May 10, 1995, as amended at 67 FR 6362, Feb. 11, 2002; 72 FR 73269, Dec. 27, 2007]

**APPENDIX H TO SUBPART A OF PART 82—CLEAN AIR ACT AMENDMENTS OF 1990
PHASEOUT SCHEDULE FOR PRODUCTION OF OZONE-DEPLETING SUBSTANCES**

Date	Carbon tetra-chloride (percent)	Methyl chloro-form (per-cent)	Other class sub-stances (percent)	Date	Carbon tetra-chloride (percent)	Methyl chloro-form (per-cent)	Other class sub-stances (percent)
1994	70	85	65	1998	15	50	15
1995	15	70	50	1999	15	50	15
1996	15	50	40	2000		20	
1997	15	50	15	2001		20	

APPENDIX I TO SUBPART A OF PART 82—GLOBAL WARMING POTENTIALS (MASS BASIS), REFERENCED TO THE ABSOLUTE GWP FOR THE ADOPTED CARBON CYCLE MODEL CO₂ DECAY RESPONSE AND FUTURE CO₂ ATMOSPHERIC CONCENTRATIONS HELD CONSTANT AT CURRENT LEVELS. (ONLY DIRECT EFFECTS ARE CONSIDERED.)

Species (chemical)	Chemical formula	Global warming potential (time horizon)		
		20 years	100 years	500 years
CFC-11	CFCl ₃	5000	4000	1400
CFC-12	CF ₂ Cl ₂	7900	8500	4200
CFC-13	CClF ₃	8100	11700	13600
CFC-113	C ₂ F ₃ Cl ₃	5000	5000	2300
CFC-114	C ₂ F ₄ Cl ₂	6900	9300	8300
CFC-115	C ₂ F ₅ Cl	6200	9300	13000
H-1301	CF ₃ Br	6200	5600	2200
Carbon Tet	CCl ₄	2000	1400	500
Methyl Chl	CH ₃ CCl ₃	360	110	35
HCFC-22	CF ₂ HCl	4300	1700	520
HCFC-141b	C ₂ FH ₃ Cl ₂	1800	630	200
HCFC-142b	C ₂ F ₂ H ₃ Cl	4200	2000	630
HCFC-123	C ₂ F ₃ HCl ₂	300	93	29
HCFC-124	C ₂ F ₄ HCl	1500	480	150
HCFC-225ca	C ₃ F ₅ HCl ₂	550	170	52
HCFC-225cb	C ₃ F ₅ HCl ₂	1700	530	170

United Nations Environment Programme (UNEP), February 1995, Scientific Assessment of Ozone Depletion: 1994, Chapter 13, "Ozone Depleting Potentials, Global Warming Potentials and Future Chlorine/Bromine Loading," and do not reflect review of scientific documents published after that date.

[61 FR 1285, Jan. 19, 1996]