<CFC >

5 1

92

72% 2 2200

2
) 가 , 2 , 91 .

가 (2 6) , (5 1)

(CFC-11/12/ 113/114/115 Halon-1211/1301/2402) 8

5 1 (99 1 1

0.3kg 가 10 가) ,

(+) 1 0.3kg , 1 2355 (ODP) .

가 (CFC-11/12, Halon-1301) ()

가 91 .

92 1 2355 (1 936) 91 9,857 (

7476) 2 2212 (1 8412) , (92) CFC-

11 4600 , CFC-12 3210 , Halon-1301 2054 9864 . 2491

CFC Halon 60% Halon .(

)

CFC 92 ()

가 91 91

CFC-11 , 92 1 3780 60% 8194 ,

9088 (85%) 9.8%

CFC-12 92 6983 77% 5250 ,

96.2% 80%

CFC-12 10 100%

CFC-113 92 가 2902 , 91 4266

가 , 91 80% 3399 .

CFC-114 92 32 13.5% 4

가 ,

CFC-115 , 92 가 44 ,

가 91 78 60% 47 .

, Halon-1211 Halon-1301 92 7090 75% 5318

(CFC-11/12) 92 1 3494 60% 8096

, (CFC-11/12/114/115) 92 6854 80% 5277

(CFC-113) 91 4266 80% 3399 ,

(CFC-11/12/ 114) 92 147 12% 17 , (CFC-11) 266

< 1 >

	2 6	5 1
-94.1 : 85% -95.1 : "		
	(94 95) · 92 :3 · 93 :2 592 · 94 :2 592(3088) · 96 :	· 92 :2 2000 · 93 :1 2355 + (CH3CC13) 가 0.2kg/
가	94 (95) 가 가	가 (60%) 가
	94 () 가 가	92 ~93
	94 95	
		2
		()
UNEP	(0.8%) 가 · 92 ~93 :120 · 가 가 가 2 4000 30	가 가

< 2 >

가

(,)

	가	가	가
CFC-11	4,600	5	4,605
CFC-12	3,210	10	3,220
CFC-113	-	2,247(2,809)	2,247(2,809)
CFC-114	-	4	4
CFC-115	-	14(23)	14(23)
	7,810	2,280(2,851)	10,090(10,661)
Halon-1211	-	207(69)	207(69)
Halon-1301	2,054(205.4)	4(0.4)	2,058(206)
Halon-2402	-	-	-
	2,054(205.4)	211(69.4)	2,265(275)
	9,864(8,015.4)	2,491(2,920.4)	12,355(10,936)

) () (), Halon-2402

< 3>

(,)

			'91	'92	'92
	CFC- 11	3,907	3,397	7,304	($\frac{'92}{'92}$)
	CFC- 12	792	-	2,046	
		4,699	3,397	8,096	60%
	CFC- 11	538	192	730	
	CFC- 12	2,418	2,030	4,448	
	CFC-114	2	-	2	
	CFC-115	14	33	47	
		2,972	2,255	5,227	80%
	CFC-113	2,247	1,152	3,399	80%
	CFC- 11	5	-	5	
	CFC- 12	10	-	10	
	CFC-114	2	-	2	
		17	-	17	12%
	CFC- 11	155	-	155	60%
		10,090	6,804	16,894	71%
	Halon-1211 Halon-1301	) 2,265	3,053	5,318	75%
		12,355	9,857	22,212	72%

가 2 (91 12 4741
83.2% 2 592) , 92 3 831 2
2212 (72%) 7 10 가

가 95 1 86
50%, 97 1 86 15% , UNEP
95 1 85% , 97 1 , EC 94
1 85% , 96 1
(5 1) 10 5 ~7

2 6
5 1

가 (2 6 5 1) 8 27

가 1 , 가
가 가 가 , 5 1
가 2 6 가
가 가 가
가 2 6 가

CFC-113() 80%, CFC-12() 80%
가

) 2902 , 44 가 CFC-113 CFC-115 92 () 92 가
 , () ()
 , 가 , 가

< 4>

(:ODP)

		가 (A)		(B)		B-A
CFC-11		9,592	4,600	9,088	4,600	
		2,679	5	5,219	3,594	3,589
		12,271	4,605	14,307	8,194	3,589
CFC-12		5,634	3,210	5,395	3,210	
		1,084	10	2,590	2,040	2,030
		6,718	3,220	7,985	5,250	2,030
CFC-113		7,000	2,247	8,301	3,399	1,152
		(8,750)	(2,809)	(10,376)	(4,249)	(1,440)
CFC-114		4	4	4	4	-
CFC-115		123	14	156	47	33
		(223)	(23)	(260)	(78)	(55)
()		15,226	7,810	14,483	7,810	
		10,901	2,280	15,454	9,084	6,804
		26,127	10,090	29,937	16,894	6,804
	(27,966)	(10,661)	(32,116)	(17,465)	(7,114)	
Halon-1211		1,215	207	930	450	243
		(405)	(69)	(310)	(150)	(81)
Halon-1301		4,435	2,054	4,435	2,054	
		10,535	4	8,330	2,814	2,810
		14,970	2,058	12,765	4,868	2,810
	(1,497)	(205.8)	(1,277)	(486.8)	(281)	
()		4,435	2,054	4,435	2,054	
		11,750	211	9,260	3,264	(3,053)
		16,185	2,265	13,695	5,318	3,053
	(1,902)	(274.8)	(1,587)	(636.8)	(362)	
		19,661	9,864	18,918	9,864	
		22,651	2,491	24,714	12,348	9,857
		42,312	12,355	43,632	22,212	9,857
	(29,868)	(10,936)	(33,703)	(18,412)	(7,476)	

) () (B-A) '91.12.31 '92 ()

CFC

			1991			92			91	가	
				91			92				
CFC-11				3,013	] 85	2,561	3,347	] 60	2,008	-	2,008
				4,625		3,931	6,919		4,151	2,865	1,286
				1,541		1,310	1,908		1,145	532	613
				9,179		(7,802)	12,174		(7,304)	(3,397)	(3,907)
				622		529	784	470	7	463	
				357		303	433	260	185	75	
				979	-	(832)	1,217	(730)	(192)	(538)	
				) 105	-	-	) 123	) 5	-	-	5
				264	-	454	266	155	-	-	155
				11,717	10,527	(84.2)	9,088	13,780	8,194	3,589	4,605
CFC-12				981	90	883	1,320	60	792	-	792
				677	] 100	677	953	] 80	762	-	762
				1,436		1,436	2,032		1,626	-	1,626
				60	60	38	30	-	30		
				2,464	85	2,094	2,552	2,030	2,030	-	
				4,637	(96.2)	(4,267)	5,575	(4,448)	(2,030)	(2,418)	
				4	100	4	10	100	10	-	10
				14	-	241	-	-	-	-	-
			6,811	5,726	(90.2)	5,395	6,983	77	5,250	2,030	3,220
CFC-113				2,121	85	1,803	2,874	] 80	3,399	1,152	2,247
				30	-	256	28				
				4,266	2,151	2,059	2,902				
CFC-114				11	) 85	9	13	-	2	-	2
				3		2	5	-	-	-	-
				1	100	1	3	-	2	-	2
				120	8	85	7	11	-	-	-
			78	23	(82.6)	19	32	13	4	-	4
CFC-115		(CFC-502)	34	(90.0)	31	44(78)	60	47	33	14	
			22,992	18,461	(89.9)	16,592	23,741	(71)	16,894	6,804	10,090
Halon-1211			600	480	62.5	300	600		450	243	207
Halon-1301			6,490	5,800	63.8	3,700	6,490	) 75	4,868	2,810	2,058
			30,082	24,741	(83.2)	20,592	30,831	(72)	22,212	9,857	12,355

) '91
 '91 '92 ('91)
 '91 '91.12.31 '92

가 가 (91), 가

가가 가 , CFC 가

CFC , ICI