



МОНГОЛЫН ХУМБАГА

Үндэсний газар: 44 Үндэсний газар: 337 Үндэсний газар: 24 Үндэсний газар: 1437 - 6 Үндэсний газар: 2015 Үндэсний газар: 44

Үндэсний газар: 41/2015

Үндэсний газар: 41/2015

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• Үндэсний газар: 41/2015

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(۲) "دېرىسلىق" ئادىتىنى ئۆز ئىچىگە ئالغان ھالدا، مۇنداق قىلىشقا سۈپەتلىك ھۆكۈمەت

ھۆكۈمەتلىرىنىڭ قىممىتىنى ئۆز ئىچىگە ئالغان ھالدا، مۇنداق قىلىشقا سۈپەتلىك ھۆكۈمەت

(۱) "دېرىسلىق" ئادىتىنى ئۆز ئىچىگە ئالغان ھالدا، 16 نۆمۈرلۈك ھۆكۈمەت 1987 يىلى

ئىلىم ۋە تېخنىكا ئىشلىرى ئورگانىنىڭ مۇدىرىنىڭ ھۆكۈمەتلىرىنىڭ "ھۆكۈمەت مۇھىم ئورگانلىرىنىڭ

ھۆكۈمەتلىرىنىڭ قىممىتىنى ئۆز ئىچىگە ئالغان ھالدا، مۇنداق قىلىشقا سۈپەتلىك ھۆكۈمەت

1 جدول

الجدول رقم 1: قائمة المواد المحظورة والممنوعة بموجب المادة 2 من بروتوكول مونتريال لعام 1987 بشأن المواد المستنفدة للأوزون

Substance	Substance	Ozone-Depleting Potential*
CFCl 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 ₃ Br	(halon-1301)	10.0
C ₂ F ₄ Br ₂	(halon-2402)	6.0
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
CCl ₄	carbon tetrachloride	1.1
C ₂ H ₃ Cl ₃ *	1,1,1-trichloroethane* (methyl chloroform)	0.1
CF ₂ BrCl	Halon-1211	3.0
CF ₃ Br	Halon-1301	10.0
C ₂ F ₄ Br ₂	Halon-2402	6.0
CH ₂ BrCl	Bromochloromethane	0.12
CH ₃ Br	Methyl bromide	0.6

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اس میں درج کردہ تمام گیسوں کی کاربن ڈائی آکسائیڈ کے ساتھ موازنہ کی جاتی ہے اور ان کی کاربن ڈائی آکسائیڈ کے ساتھ موازنہ کی جاتی ہے

Substance	ASHRAE Code	Chemical name	Chemical formula	Ozone Depleting Potential
HCFC-21	R-21	Dichlorofluoromethane	CHCl ₂ F	0.04
HCFC-22	R-22	Monochlorodifluoromethane	CHF ₂ Cl	0.055
HCFC-31	R-31	Monochlorofluoromethane	CH ₂ ClF	0.02
HCFC-121	R-121	Tetrachlorofluoroethane	C ₂ HCl ₄ F	0.01-0.04
HCFC-122	R-122	Trichlorodifluoroethane	C ₂ HCl ₃ F ₂	0.02-0.08
HCFC-123	R-123	Dichlorotrifluoroethane	C ₂ HCl ₂ F ₃	0.02-0.06
HCFC-124	R-124	Monochlorotetrafluoroethane	C ₂ HClF ₄	0.02-0.04
HCFC-131	R-131	Trichlorofluoroethane	C ₂ H ₂ Cl ₃ F	0.007-0.05
HCFC-132	R-132	Dichlorodifluoroethane	C ₂ H ₂ Cl ₂ F ₂	0.008-0.05
HCFC-133	R-133	Chlorotrifluoroethane	C ₂ H ₂ ClF ₃	0.02-0.06
HCFC-141	R-141	Dichlorofluoroethane	C ₂ H ₃ Cl ₂ F	0.005-0.07
HCFC-141b	R-141b	Dichlorofluoroethane	CH ₃ CCl ₂ F	0.11
HCFC-142	R-142	Chlorodifluoroethane	C ₂ H ₃ ClF ₂	0.008-0.07
HCFC-142b	R-142b	Chlorodifluoroethane	CH ₃ CF ₂ Cl	0.065
HCFC-151	R-151	Chlorofluoroethane	C ₂ H ₄ ClF	0.003-0.005
HCFC-221	R-221	Hexachlorofluoropropane	C ₃ HCl ₆ F	0.015-0.07
HCFC-222	R-222	Pentachlorodifluoropropane	C ₃ HCl ₅ F ₂	0.01-0.09
HCFC-223	R-223	Tetrachlorotrifluoropropane	C ₃ HCl ₄ F ₃	0.01-0.08
HCFC-224	R-224	Trichlorotetrafluoropropane	C ₃ HCl ₃ F ₄	0.01-0.09
HCFC-225	R-225	Dichloropentafluoropropane	C ₃ HCl ₂ F ₅	0.02-0.07
HCFC-225ca	R-225ca	Dichloropentafluoropropane	CF ₃ CF ₂ CHCl ₂	0.025
HCFC-225cb	R-225cb	Dichloropentafluoropropane	CF ₂ ClCF ₂ CHClF	0.033
HCFC-226	R-226	Monochlorohexafluoropropane	C ₃ HF ₆ Cl	0.02-0.10
HCFC-231	R-231	Pentachlorofluoropropane	C ₃ H ₂ Cl ₅ F	0.05-0.09
HCFC-232	R-232	Tetrachlorodifluoropropane	C ₃ H ₂ Cl ₄ F ₂	0.008-0.10
HCFC-233	R-233	Trichlorotrifluoropropane	C ₃ H ₂ Cl ₃ F ₃	0.007-0.23
HCFC-234	R-234	Dichlorotetrafluoropropane	C ₃ H ₂ Cl ₂ F ₄	0.01-0.28
HCFC-235	R-235	Monochloropentafluoropropane	C ₃ H ₂ ClF ₅	0.03-0.52
HCFC-241	R-241	Tetrachlorofluoropropane	C ₃ H ₃ Cl ₄ F	0.004-0.09
HCFC-242	R-242	Trichlorodifluoropropane	C ₃ H ₃ Cl ₃ F ₂	0.005-0.13

HCFC-243	R-243	Dichlorotrifluoropropane	$C_3H_3F_3Cl_2$	0.007-0.12
HCFC-244	R-244	Monochlorotetrafluoropropane	$C_3H_3F_4Cl$	0.009-0.14
HCFC-251	R-251	Monochlorotetrafluoropropane	$C_3H_4FCl_3$	0.001-0.01
HCFC-252	R-252	Dichlorodifluoropropane	$C_3H_4F_2Cl_2$	0.005-0.04
HCFC-253	R-253	Monochlorotrifluoropropane	$C_3H_4F_3Cl$	0.003-0.03
HCFC-261	R-261	Dichlorofluoropropane	$C_3H_5FCl_2$	0.002-0.02
HCFC-262	R-262	Monochlorodifluoropropane	$C_3H_5F_2Cl$	0.002-0.02
HCFC-271	R-271	Monochlorofluoropropane	C_3H_6FCl	0.001-0.03

ASHRAE number	Components	Percentage composition	ODP	GWP (100_yr)
R-401A	R-22/152a/124	53.0/13.0/34.0	0.033	1200
R-401B	R-22/152a/124	61.0/11.0/28.0	0.036	1300
R-401C	R-22/152a/124	33.0/15.0/52.0	0.027	930
R-402A	R-125/290/22	60.0/2.0/38.0	0.019	2800
R-402B	R-125/290/22	38.0/2.0/60.0	0.030	2400
R-403A	R-290/22/218	5.0/75.0/20.0	0.038	3100
R-403B	R-290/22/218	5.0/56.0/39.0	0.028	4500
R-405A	R-22/152a/142b/C318	45.0/7.0/5.5/42.5	0.026	5300
R-406A	R-22/600a/142b	55.0/4.0/41.0	0.056	1900
R-408A	R-125/143a/22	7.0/46.0/47.0	0.024	3200
R-409A	R-22/124/142b	60.0/25.0/15.0	0.046	1600
R-409B	R-22/124/142b	65.0/25.0/10.0	0.045	1600
R-411A	R-1270/22/152a	1.5/87.5/11.0	0.044	1600
R-411B	R-1270/22/152a	3.0/94.0/3.0	0.047	1700
	R-1270/22/152a	3.0/95.5/1.5	0.032	1600
R-412A	R-22/218/142b	70.0/5.0/25.0	0.053	2300
R-414A	R-22/124/600a/142b	51.0/28.5/4.0/16.5	0.043	1500
R-414B	R-22/124/600a/142b	50.0/39.0/1.5/9.5	0.039	1400
R-415A	R-22/152a	82.0/18.0	0.041	1500
R-415B	R-22/152a	25.0/75.0	0.013	550
	R-22/152a	52.0/48.0	0.018	940
	R-22/152a	60.0/40.0	0.020	1100
R-416A	R-134a/124/600	59.0/39.5/1.5	0.008	1100
R-418A	R-290/22/152a	1.5/96.0/2.5	0.048	1700

R-420A	R-134a/142b	88.0/12.0	0.008	1500
R-501	R-22/12	75.0/25.0	NA	NA
R-502	R-22/115	48.8/51.2	0.250	4700
R-505	R-12/31	78.0/22.0	NA	NA
R-506	R-31/114	55.1/44.9	NA	NA
R-509A	R-22/218	44.0/56.0	0.022	5700

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53.6	2015	20% 337 44
43.55	2016	35% 337 44
22	2018	67.5% 337 44
1.68	2020	100% 337 44
1.68	-2020 2025	2.5% 337 44 337 44