

Zu den **nicht** erhebungsrelevanten Stoffen zählen beispielsweise anorganische Stoffe wie Ammoniak (R 717), Wasser (R 718) und Kohlendioxid (R 744), Lachgas (N2O) oder unhalogenierte Kohlenwasserstoffe wie z.B. Propan (R 290), Butan (R 600). Auch halogenierte Inhalationsanästhetika aus der Stoffgruppe der Fluorane wie z.B. Sevofluran, Isofluran und Desfluran sowie Methoxyfluran sind **nicht** Gegenstand der Erhebung.

Stoffliste BJ 2023

Bestimmte klimawirksame Stoffe und deren Blends

Stoff		STKZ ¹⁾	Chemische Bezeichnung / Handelsbezeichnung	Summenformel	CO ₂ - Äquivalente ²⁾
FKW					
R	14	1001	Tetrafluormethan	CF ₄	6 630
R	116	1006	Hexafluorethan	C ₂ F ₆	11 100
R	c216	1010	Hexafluorocyclopropan	c-C ₃ F ₆	9 200
R	218	1011	Okttafluorpropan	C ₃ F ₈	8 900
R	c318	1012	Octafluorocyclobutan	c-C ₄ F ₈	9 540
R	3-1-10	1016	Decafluorbutan	C ₄ F ₁₀	9 200
R	4-1-12	1021	Dodecafluorpenitan	C ₅ F ₁₂	8 550
R	5-1-14	1026	Tetradecafluorhexan	C ₆ F ₁₄	7 910
R	9-1-18	1028	Perfluordecalin	C ₁₀ F ₁₈	7 190
R	1316	1029	Hexafluor-1,3-butadien	CF ₂ =CF-CF=CF ₂	1
	1,1,1,2,3,4,5,5,5(oder1,1,1,3,4,4,5,5,5)-Nonafluor-4(oder2)-(trifluormethyl)pent-2-en	1030		CF ₃ CF=CFCF ₂ CF ₃ oder CF ₃ CF ₃ C=CFCF ₂ CF ₃	1
H-FKW					
R	23	2001	Trifluormethan	CHF ₃	12 400
R	32	2003	Diffuormethan	CH ₂ F ₂	6 771
R	41	2005	Fluormethan	CH ₃ F	116
R	125	2007	Pentafluorethan	CHF ₂ CF ₃	3 170
R	134	2009	1,1,2,2-Tetrafluorethan	CHF ₂ -CHF ₂	1 120
R	134a	2011	1,1,1,2,2-Tetrafluorethan	CF ₃ -CH ₂ F	1 300
R	143	2013	1,1,2-Trifluorethan	CHF ₂ -CH ₂ F	328
R	143a	2015	1,1,1-Trifluorethan	CH ₃ -CF ₃	4 800
R	152	2016	1,2-Difluorethan	CH ₂ F-CH ₂ F	16
R	152a	2017	1,1-Difluorethan	CH ₃ -CHF ₂	138
R	161	2019	Fluorethan	CH ₃ -CH ₂ F	4
R	227ea	2023	1,1,1,2,3,3,3-Heptafluorpropan	CF ₃ -CF ₂ -CF ₃	3 350
R	236cb	2027	1,2,2,3,3,3-Hexafluorpropan	CH ₂ F-CF ₂ -CF ₃	1 210
R	236ea	2029	1,1,2,3,3,3-Hexafluorpropan	CHF ₂ -CHF-CF ₃	1 330
R	236fa	2031	1,1,1,3,3,3-Hexafluorpropan	CF ₃ -CH ₂ -CF ₃	8 060
R	245ca	2033	1,1,2,3,3-Pentafluorpropan	CHF ₂ -CF ₂ -CH ₂ F	716
R	245fa	2037	1,1,2,3,3-Pentafluorpropan, "Enovate"	CHF ₂ -CF ₂ -CH ₂ F	858
R	345-mee	2070	1,1,1,2,2,3,4,5,5,5-Decafluorpenantan	CF ₃ -CF ₂ -CHF-CF ₂ -CHF-CF ₃	1 850
R	363mfc	2071	1,1,1,3,3-Pentafluorbutan	CF ₃ -CH ₂ -CF ₂ -CH ₃	804
R	1234yf	2073	2,3,3,3,3-Tetrafluorprop-1-en, "Opteon YF", Solstice L-13, "Opteon XL 10"	CF ₃ -CF=CH ₂	1
R	1234ze (E)	2075	trans-1,3,3,3,3-Tetrafluorprop-1-en "HBA-1", "Solstice Gas BA", "Solstice ze"	CF ₃ -CH=CHF (E)	1
R	1336mzz (Z)	2080	cis-1,1,1,4,4,4-Hexafluorbut-2-en "Formacel 1100", DR-2	CF ₃ -CH=CH-CF ₃ (Z)	2
R	1234ze (Z)	2081	Cis-1, 3, 3, 3-Tetrafluorpropan	CF ₃ -CH=CHF (Z)	1
R	1132a	2082	1,1 Difluorethen (Vinylidenfluorid)	CF ₂ =CH ₂	1
R	1141	2083	Fluorethen (Vinylfluorid)	CH ₂ =CHF	1
H-FCKW					
R	1224yd (Z)	3001	cis-1-Chlor-2,3,3,3,3-Tetrafluorprop-1-en, "Amolea 1224yd", "Amolea 111yd"	CHCl=CF-CF ₃ (Z)	1
R	1223zd (E)	3002	trans-1-Chlor-3,3,3,3,3-Trifluorprop-1-en, "HBA 2", "Solstice LBA" "Solstice@zd"	CHCl=CH-CF ₃ (E)	1
Blends					
R	404A	4001	Suva HP 62 (Suva 404A neu), Reclin 404 A, Forane FX 70 (Forane 404A neu), Meforex M 55, Solkane 404A, Isecon 404 A, Klea 404A	R 125 (CHF ₂ -CF ₃): 44% R 134a (CH ₂ F-CF ₃): 4% R 143a (CH ₂ -CF ₃): 52%	3942,800
R	423A	4002	Isecon 39TC	R 134a (CF ₃ -CH ₂ F): 52,5% R 227ea (CF ₃ -CHF-CF ₃): 47,5%	2273,750
R	419A	4003	Forane FX 90	R 125 (CHF ₂ -CF ₃): 77% R 134a (CF ₂ -CH ₂ F): 19% RE170 (CH ₂ -O-CH ₃): 4 %	2687,940
R	407A	4004	Klea 407A (Klea60), Isecon 407A, Suva 407A	R 32 (CH ₂ F ₂): 20% R 125 (CHF ₂ -CF ₃): 40% R 134a (CF ₂ -CH ₂ F)40%	1923,400
R	407B	4005	Klea 407B (Klea 61)	R 32 (CH ₂ F ₂): 10% R 125 (CHF ₂ -CF ₃): 70% R 134a (CF ₂ -CH ₂ F): 20%	2546,700
R	407C	4010	Reclin 407 C, HX 3, Forane 407C, Suva AC 9000 (Suva 407C neu), Klea 407C (Klea 66), Meforex M 95, Isecon 407 C, DAIKIN R407C (früher Solkane 407C)	R 32 (CH ₂ F ₂): 23% R 125 (CHF ₂ -CF ₃): 25% R 134a (CH ₂ F-CF ₃): 52%	1624,210
R	407D	4011	Klea 407D	R 32 (CH ₂ F ₂): 15% R 125 (CHF ₂ -CF ₃): 15% R 134a (CF ₂ -CH ₂ F): 70%	1487,050
R	407E	4012	Klea 407E	R 32 (CH ₂ F ₂): 25% R 125 (CHF ₂ -CF ₃): 15% R 134a (CF ₂ -CH ₂ F): 60%	1424,750
R	410A	4013	Genetron AZ 20, DAIKIN R410A (früher Solkane 410A), Reclin 410, Suva 410A, Suva 9100, Meforex M 98, Klea 410A, Forane 410A	R 32 (CH ₂ F ₂): 50% R 125 (CHF ₂ -CF ₃): 50%	1923,500
R	407F	4014	Genetron Performax LT (Honeywell)	R 32 (CH ₂ F ₂): 30% R 125 (CHF ₂ -CF ₃): 30% R 134a (CF ₂ -CH ₂ F): 40%	1674,100
R	407G	4015	Klea 407G	R 32 (CH ₂ F ₂): 2,5% R 125 (CHF ₂ -CF ₃): 2,5% R 134a (CF ₂ -CH ₂ F): 95%	1331,175
R	407H	4016	Klea 407H , Creard R407H (Daikin)	R 32 (CH ₂ F ₂): 32,5% R 125 (CHF ₂ -CF ₃): 15% R 134a (CF ₂ -CH ₂ F): 52,5%	1378,025
R	407I	4017		R 32 (CH ₂ F ₂): 19,5% R 125 (CHF ₂ -CF ₃): 8,5% R 134a (CF ₂ -CH ₂ F): 72%	1337,465
R	410B	4018		R 32 (CH ₂ F ₂): 45% R 125 (CHF ₂ -CF ₃): 5% R 134a (CF ₂ -CH ₂ F): 50%	2048,150
R	413A	4019	Isecon MO49	R 134a (CH ₂ F-CF ₃): 88% R 218 (CF ₂ -CF ₂ -CF ₃): 9% R 600a (CH ₂ CH ₂): 3%	1945,090
R	507A	4022	Suva 507, AZ 50, Solkane 507,Klea 507, Reclin 507, Forane 507, Meforex M 57, Isecon 507, Genetron® AZ-50®	R 125 (CHF ₂ -CF ₃): 50% R 143a (CH ₂ -CF ₃): 50%	3985,000
R	460C	4023		R 32 (CH ₂ F ₂): 2,5% R 125 (CHF ₂ -CF ₃): 2,5% R 134a (CF ₂ -CH ₂ F): 46% R 1234ze (CHF=CH-CF ₃): 49%	694,665
R	463A	4024	Opteon XP41 (Chemours)	R 32 (CH ₂ F ₂): 36% R 125 (CHF ₂ -CF ₃): 30% R 134a (CF ₂ -CH ₂ F): 14% R 1234yf (CHF=CH-CF ₃): 14% R 744 (CO ₂): 6%	1376,920
R	508A	4025	Klea 508A (R5R3)	R 23 (CHF ₃): 39% R 116 (C ₂ F ₆): 61%	11607,000
R	464A	4026		R 32 (CH ₂ F ₂): 27% R 125 (CHF ₂ -CF ₃): 27% R 227ea (CF ₃ -CHF-CF ₃): 6% R 1234ze (CHF=CH-CF ₃): 40%	1240,090
R	465A	4027	ARM-25 (Arkema)	R 32 (CH ₂ F ₂): 21% R 1234yf (CH ₂ =CF-CF ₃): 71,1% R 290 (C ₃ H ₈): 7,9%	143,118
R	508B	4028	Suva 95	R 23 (CHF ₃): 46% R 116 (C ₂ F ₆): 54%	11698,000
R	515B	4029	Solstice N15 (Honeywell)	R 227ea (CF ₃ -CHF-CF ₃): 8,9% R 1234ze (CHF=CH-CF ₃): 91,1%	299,061

R	511A		4032		R 152a (CH ₂ -CHF ₂): 5% R 290 (CH ₃ -CH ₂ -CH ₃): 95%	9,750
R	512A		4033		R 134a (CF ₃ -CH ₂ F): 5% R 152a (CH ₂ -CHF ₂): 95%	196,100
R	424A		4035		R 125 (CHF ₂ -CF ₃): 50,5% R 134a (CF ₃ -CH ₂ F): 47% R 600 (CH ₃ -CH ₂ -CH ₂ -CH ₃): 1% R 600a ((CH ₃) ₂ CH-CH ₃): 0,9% R 601a ((CH ₃) ₂ CH-CH ₂ -CH ₃): 0,6%	2211,965
R	426A		4036		R 125 (CHF ₂ -CF ₃): 5,1% R 134a (CF ₃ -CH ₂ F): 93% R 600 (CH ₃ -CH ₂ -CH ₂ -CH ₃): 1,3% R 601a (CH ₃ -CH(CH ₃)-CH ₂ -CH ₃): 0,6%	1370,752
R	513A		4038	Opteon XP10 (Chemours), R513A (Daikin Chemical)	R 134a (CF ₃ -CH ₂ F): 44% R 1234yf (CH ₂ =CF-CF ₃): 56%	572,560
R	427A		4040	Forane FX100, (neu: Forane 427A)	R 32 (CH ₂ F ₂): 15% R 125 (CHF ₂ -CF ₃): 25% R 134a (CF ₃ -CH ₂ F): 50% R 143a (CH ₂ -CF ₃): 10%	2024,050
R	437A		4041	Isceon MO49Plus	R 125 (CHF ₂ -CF ₃): 19,5% R 134a (CF ₃ -CH ₂ F): 78,5% R 600 (CH ₃ -CH ₂ -CH ₂ -CH ₃): 1,4% R 601 (CH ₃ -CH ₂ -CH ₂ -CH ₂ -CH ₃): 0,6%	1638,736
R	438A		4042	Isceon MO99	R 32 (CH ₂ F ₂): 8,5% R 125 (CHF ₂ -CF ₃): 45% R 134a (CF ₃ -CH ₂ F): 44,2% R 600 (CH ₃ -CH ₂ -CH ₂ -CH ₃): 1,7% R 601a (CH ₃ -CH(CH ₃)-CH ₂ -CH ₃): 0,6%	2058,743
R	422B		4043	NU-22	R 125 (CHF ₂ -CF ₃): 55% R 134a (CF ₃ -CH ₂ F): 42% R 600a (CH(CH ₃)) ₂ : 3%	2289,590
R	428A		4044	RS-52	R 125 (CHF ₂ -CF ₃): 77,5% R 143a (CH ₃ -CF ₃): 20% R 290 (CH ₃ -CH ₂ -CH ₃): 0,6% R 600a ((CH ₃) ₂ CH-CH ₃): 1,9%	3416,825
R	434A		4045	RS-45	R 125 (CHF ₂ -CF ₃): 63,2% R 134a (CF ₃ -CH ₂ F): 16% R 143a (CH ₂ -CF ₃): 18% R 600a (CH(CH ₃)) ₂ : 2,8%	3075,524
	Isceon MO89		4046	Isceon MO89	R 125 (CHF ₂ -CF ₃): 86% R 290 (H ₃ C-CH ₂ -CH ₃): 5% R 218 (C ₃ F ₈): 9%	3527,350
R	417C		4047		R 125 (CHF ₂ -CF ₃): 19,5% R 134a (CH ₂ F-CF ₃): 78,8% R 600 (CH ₃ -CH ₂ -CH ₂ -CH ₃): 1,7%	1642,618
R	419B		4048		R 125 (CHF ₂ -CF ₃): 48,5% R 134a (CF ₃ -CH ₂ F): 48% RE170 (CH ₃ -O-CH ₃): 3,5%	2161,485
R	417A		4049	Isceon MO59	R 125 (CHF ₂ -CF ₃): 46,6% R 134a (CH ₂ F-CF ₃): 50% R 600 (CH ₃ -CH ₂ -CH ₂ -CH ₃): 3,4%	2127,356
R	417B		4050	Solkane 22L (Solvay)	R 125 (CHF ₂ -CF ₃): 79% R 134a (CH ₂ F-CF ₃): 18,3% R 600 (CH ₃ -CH ₂ -CH ₂ -CH ₃): 2,7%	2742,308
R	430A		4051		R 152a (CH ₂ -CHF ₂): 76% R 600a (CH(CH ₃)) ₂ : 24%	105,600
R	431A		4052		R 152a (CH ₂ -CHF ₂): 29% R 290 (CH ₃ -CH ₂ -CH ₃): 71%	42,150
R	435A		4053		R 152a (CH ₂ -CHF ₂): 20% R E170 (CH ₃ -O-CH ₃): 80%	28,400
R	439A		4054		R 32 (CH ₂ F ₂): 50% R 125 (CHF ₂ -CF ₃): 47% R 600a (CH(CH ₃)) ₂ : 3%	1828,490
R	440A		4056		R 134a (CF ₃ -CH ₂ F): 1,6% R 152a (CH ₂ -CHF ₂): 97,8% R 290 (CH ₃ -CH ₂ -CH ₃): 0,6%	155,782
R	442A		4057	RS-50	R 32 (CH ₂ F ₂): 31% R 125 (CHF ₂ -CF ₃): 31% R 134a (CF ₃ -CH ₂ F): 30% R 152a (CH ₂ -CHF ₂): 3% R 227ea (CF ₃ -CHF-CF ₃): 5%	1754,210
R	444A		4059	ACS (Koura (Mexichem))	R 32 (CH ₂ F ₂): 12% R 152a (CH ₂ -CHF ₂): 5% R 1234ze E (CF ₃ -CH=CHF): 83%	88,970
R	444B		4060	Solstice L-20	R 32 (CH ₂ F ₂): 41,5% R 152a (CH ₂ -CHF ₂): 10% R 1234ze E (CF ₃ -CH=CHF): 48,5%	295,240
R	365 mfc/ R 227ea Gemisch 1		4062	Solkane 365/227 93/7	R 227ea (CF ₃ -CHF-CF ₃): 7% R 365 mfc (CF ₃ -CH ₂ -CF ₂ -CH ₃): 93%	982,220
R	365 mfc/ R 227ea Gemisch 2		4063	Solkane 365/227 87/13	R 227ea (CF ₃ -CHF-CF ₃): 13% R 365 mfc (CF ₃ -CH ₂ -CF ₂ -CH ₃): 87%	1134,980
R	422A		4066	Isceon MO79	R 125 (CHF ₂ -CF ₃): 85,1% R 134a (CF ₃ -CH ₂ F): 11,5% R 600a (CH(CH ₃)) ₂ : 3,4%	2847,272
R	422D		4067	Isceon MO29	R 125 (CHF ₂ -CF ₃): 65,1% R 134a (CF ₃ -CH ₂ F): 31,5% R 600a (CH(CH ₃)) ₂ : 3,4%	2473,272
R	421A		4068		R 125 (CHF ₂ -CF ₃): 58% R 134a (CF ₃ -CH ₂ F): 42%	2384,600
R	421B		4069		R 125 (CHF ₂ -CF ₃): 85% R 134a (CF ₃ -CH ₂ F): 15%	2889,500
R	422C		4071		R 125 (CHF ₂ -CF ₃): 82% R 134a (CF ₃ -CH ₂ F): 15% R 600a (CH(CH ₃)) ₂ : 3%	2794,490
R	422E		4072		R 125 (CHF ₂ -CF ₃): 58% R 134a (CF ₃ -CH ₂ F): 39,3% R 600a (CH(CH ₃)) ₂ : 2,7%	2349,581
R	425A		4073		R 32 (CH ₂ F ₂): 18,5% R 134a (CF ₃ -CH ₂ F): 69,5% R 227ea (CF ₃ -CHF-CF ₃): 12%	1430,745
R	429A		4074		R 152a (CH ₂ -CHF ₂): 10% R E170 (CH ₃ -O-CH ₃): 60% R 600a (CH(CH ₃)) ₂ : 30%	15,300
R	445A		4075	Mexichem AC6	R 134a (CF ₃ -CH ₂ F): 9% R 1234ze E (CF ₃ -CH=CHF): 85% R 744 (CO ₂): 6%	117,910
R	446A		4076		R 32 (CH ₂ F ₂): 68% R 1234ze (CHF=CH-CF ₃): 29% R 600 (CH ₃ -CH ₂ -CH ₂ -CH ₃): 3%	461,150
R	447A		4077	Solstice L-41 (Honeywell)	R 32 (CH ₂ F ₂): 68% R 125 (CHF ₂ -CF ₃): 3,5% R 1234ze (CHF=CH-CF ₃): 28,5%	571,595
R	448A		4078	Solstice N40 (Honeywell)	R 32 (CH ₂ F ₂): 26% R 125 (CHF ₂ -CF ₃): 26% R 134a (CF ₃ -CH ₂ F): 21% R 1234yf (CH ₂ =CF-CF ₃): 20% R 1234ze E (CF ₃ -CH=CHF): 7%	1273,490
R	449A		4079	Opteon XP40 (Chemours), Forane 449 (Arkema)	R 32 (CH ₂ F ₂): 24,3% R 125 (CHF ₂ -CF ₃): 24,7% R 134a (CF ₃ -CH ₂ F): 25,7% R 1234yf (CH ₂ =CF-CF ₃): 25,3%	1281,854
R	450A		4080	Solstice N13 (Honeywell)	R 134a (CF ₃ -CH ₂ F): 42% R 1234ze (CHF=CH-CF ₃): 58%	546,580
R	451A		4081		R 134a (CF ₃ -CH ₂ F): 10,2% R 1234yf (CH ₂ =CF-CF ₃): 89,8%	133,498
R	451B		4082		R 134a (CF ₃ -CH ₂ F): 11,2% R 1234yf (CH ₂ =CF-CF ₃): 88,8%	146,488
R	452A		4083	Opteon XP44 (Chemours)	R 32 (CH ₂ F ₂): 11% R 125 (CHF ₂ -CF ₃): 59% R 1234yf (CH ₂ =CF-CF ₃): 30%	1945,070
R	454A		4084	Opteon XL40 (früher DR-7, Chemours), R454A (Daikin Chemical, früher D2Y-65)	R 32 (CH ₂ F ₂): 35% R 1234yf (CH ₂ =CF-CF ₃): 65%	237,600

R	454B	4085	Opteon XL41 (früher DR-5A, Chemours), Puron Advance (Carrier)	R 32 (CH ₂ F ₂): 68,9% R 1234yf (CH ₂ =CF-CF ₃): 31,1%	466,764
R	452B	4086	Opteon XL55 (Chemours), Solstice L-41y (Honeywell)	R 32 (CH ₂ F ₂): 67% R 125 (CHF ₂ -CF ₃): 7% R 1234yf (CH ₂ =CF-CF ₃): 26%	675,750
R	454C	4087	Opteon XL20 (Chemours)	R 32 (CH ₂ F ₂): 21,5% R 1234yf (CH ₂ =CF-CF ₃): 78,5%	146,340
R	455A	4088	Solstice L40X (früher HDR110) (Honeywell)	R 32 (CH ₂ F ₂): 21,5% R 1234yf (CH ₂ =CF-CF ₃): 75,5% R 744 (CO ₂): 3%	146,340
R	447B	4089	Solstice L-41z (Honeywell)	R 32 (CH ₂ F ₂): 68% R 125 (CHF ₂ -CF ₃): 8,0% R 1234ze (CHF=CH-CF ₃): 24,0%	714,200
R	456A	4090	AC5X (Koura/Mexichem)	R 32 (CH ₂ F ₂): 6% R 134a (CF ₃ -CH ₂ F): : 45% R 1234ze (CHF=CH-CF ₃): : 49%	626,110
R	457A	4091	ARM-20a (Arkema)	R 32 (CH ₂ F ₂): 18% R 152a (CH ₃ -CHF ₂): 12% R 1234yf (CH ₂ =CF-CF ₃): 70%	139,120
R	459A	4092	ARM-71 (Arkema)	R 32 (CH ₂ F ₂): 68% R 1234yf (CH ₂ =CF-CF ₃): 26% R 1234ze E (CF ₃ -CH=CHF): 6%	460,680
R	459B	4093	LTR11 (Mexichem)	R 32 (CH ₂ F ₂): 21% R 1234yf (CH ₂ =CF-CF ₃): 69% R 1234ze E (CF ₃ -CH=CHF): 10%	142,960
R	460A	4094	LTR10 (Mexichem)	R 32 (CH ₂ F ₂): 12% R 125 (CHF ₂ -CF ₃): 52% R 134a (CF ₃ -CH ₂ F): 14% R 1234ze (CHF=CH-CF ₃): 22%	1911,860
R	460B	4095	LTR4X (Mexichem)	R 32 (CH ₂ F ₂): 28% R 125 (CHF ₂ -CF ₃): 25% R 134a (CF ₃ -CH ₂ F): 20% R 1234ze (CHF=CH-CF ₃): 27%	1242,330
R	466A	4096	Solstice N-41 (Honeywell)	R 32 (CH ₂ F ₂): 49% R 125 (CHF ₂ -CF ₃): 11,5% R 131i (CF ₃ i): 39,5%	696,438
R	513B	4097		R 134a (CF ₃ -CH ₂ F): 41,5% R 1234yf (CH ₂ =CF-CF ₃): 58,5%	540,085
R	514A	4098	Opteon XP30 (DuPont)	R 1336mzz (CF ₃ -CH=CH-CF ₃): : 74,7% R 1130 (CHCl=CHCl): : 25,3%	1,747
R	515A	4099	HDR-115	R 227ea (CF ₃ -CHF-CF ₃): 12% R 1234ze (CHF=CH-CF ₃): 88%	402,880
R	449B	4101		R 32 (CH ₂ F ₂): 25,2% R 125 (CHF ₂ -CF ₃): 24,3% R 134a (CF ₃ -CH ₂ F): 27,3% R 1234yf (CH ₂ =CF-CF ₃): 23,2%	1296,046
R	449C	4102	Opteon XP20 (Chemours)	R 32 (CH ₂ F ₂): 20% R 125 (CHF ₂ -CF ₃): 20% R 134a (CF ₃ -CH ₂ F): 29% R 1234yf (CH ₂ =CF-CF ₃): 31%	1146,710
R	467A	4103		R 32 (CH ₂ F ₂): 22% R 125 (CHF ₂ -CF ₃): 5% R 134a (CF ₃ -CH ₂ F): 72,4% R 600a (CH(CH ₃) ₂): 0,6%	1248,820
R	468A	4104	Daikin Chemical	R 32 (CH ₂ F ₂): 21,5% R 1234yf (CH ₂ =CF-CF ₃): 75% R 1132a (CH ₂ =CF ₂): 3,5%	146,340
R	469A	4105		R 32 (CH ₂ F ₂): 32,5% R 125 (CHF ₂ -CF ₃): 32,5% R 744 (CO ₂): 35%	1250,625
R	470A	4106	RS-53	R 32 (CH ₂ F ₂): 17% R 125 (CHF ₂ -CF ₃): 19% R 134a (CF ₃ -CH ₂ F): 7% R 227ea (CF ₃ -CHF-CF ₃): 3% R 1234ze (CHF=CH-CF ₃): 44% R 744 (CO ₂): 10%	909,430
R	470B	4107	RS-51 (Refrigerant Solutions Ltd (RSL))	R 32 (CH ₂ F ₂): 11,5% R 125 (CHF ₂ -CF ₃): 11,5% R 134a (CF ₃ -CH ₂ F): 3% R 227ea (CF ₃ -CHF-CF ₃): 7% R 1234ze (CHF=CH-CF ₃): 57% R 744 (CO ₂): 10%	716,575
R	457B	4108	ARM-20b (Arkema)	R 32 (CH ₂ F ₂): 35% R 152a (CH ₃ -CHF ₂): 10% R 1234yf (CH ₂ =CF-CF ₃): 55%	251,300
R	471A	4109	Honeywell	R 227ea (CF ₃ -CHF-CF ₃): 4,3% R 1234ze (E) (CHF=CH-CF ₃): 78,7% R 1336mzz (E) (CHF ₂ -CF ₃): 17,0%	145,177
R	472A	4110		R 32 (CH ₂ F ₂): 12% R 134a (CF ₃ -CH ₂ F): 19% R 744 (CO ₂): 69%	328,930
R	516A	4111	ARM-42 (Arkema)	R 134a (CF ₃ -CH ₂ F): 8,5% R 152a (CH ₃ -CHF ₂): 14% R 1234yf (CH ₂ =CF-CF ₃): 77,5%	130,595
R	427C	4112		R 32 (CH2F2): 25% R 125 (CHF2-CF3): 25% R 134a (CF3-CH2F): 40% R 143a (CH3-CF3): 10%	1961,720
R	448B	4113		R 32 (CH2F2): 21% R 125 (CHF2-CF3): 21% R 134a (CF3-CH2F): 31% R 1234yf (CH2=CF-CF3): 20% R 1234ze E (CF3-CH=CHF): 7%	1211,140
R	468B	4114		R 32 (CH2F2): 13% R 1234yf (CH2=CF-CF3): 81% R 1132a (CH2=CF2): 6%	88,880
R	468C	4115		R 32 (CH2F2): 42% R 1234yf (CH2=CF-CF3): 52% R 1132a (CH2=CF2): 6%	284,920
R	472B	4116		R 32 (CH2F2): 10% R 134a (CF3-CH2F): 32% R 744 (CO2): 58%	484,280
R	473A	4117	Klea 473A	R 23 (CHF3): 10% R 125 (CHF2-CF3): 10% R 1132a (CH2=CF2): 20% R 744 (CO2): 60%	1557,800
R	475A	4118		R 134a (CF3-CH2F): 43% R 1234yf (CH2=CF-CF3): 45% R 1234ze (E) (CF3-CH=CHF): 12%	559,570
F-IKW					
R	131i	5001	Trifluoriodmethan	CF ₃ I	0,4
H-BKW					
R	40B1	6001	Methylbromid (Brommethan)	CH ₃ Br	2
	1-Brompropan	6002	1-Brompropan	C ₃ H ₇ Br	0,052 ³⁾
	2-Brompropan	6003	2-Brompropan	C ₃ H ₇ Br	0,126 ³⁾
H-CKW					
R	1130 (E)	7001	trans-1,2-Dichlorethen	CHCl=CHCl C ₂ H ₂ Cl ₂	1
FBKW					
R	12B2	8001	Dibromdifluormethan; Halon-1202	CBr ₂ F ₂	231
H-BCKW					
	Bromchlormethan (Halon 1011)	8501	Bromchlormethan (Chlorbrommethan, CBM, Halon 1011)	CH ₃ BrCl	1

1) STK2 -Stoffkennziffer

2) GWP-Faktor nach IPCC: Für die Berichterstattung nach Paris Agreement (Quelle: IPCC 5th Assessment Report, Climate Change 2013)

3) GWP-Faktor nach IPCC: Für die Berichterstattung nach Paris Agreement (Quelle: IPCC 6th Assessment Report, Climate Change 2023)