

TABLE 5-6 (continued)
Allowable Refrigerant Table^{1, 9, 12}

Refrigerant	Chemical Formula	Chemical Name ⁴ (Composition for Blends)	Safety Group ¹	OEL ⁵ (ppm)	IDLH ⁶ (ppm)	Kg/280m ³ of Space ⁷
R-424A	zeotrope	R-125/134a/600a/600/601a (50.5/47.0/0.9/1/0/0.6)	A1	970		175.5
R425A	zeotrope	R-32/134a/227ea (18.5/69.5/12.0)	A1	1,000		452.8
R426A	zeotrope	R-125/134a/600/601a (5.1/93.0/1.3/0.6)	A1	990		147.2
R427A	zeotrope	R-32/125/143a/134a (15.0/25.0/10.0/50.0)	A1	1,000		509.4
R428A	zeotrope	R-125/143a/290/600a (77.5/20.0/0.6/1.9)	A1	1,000		650.9
R-429A	zeotrope	R-E170/152a/600a (60.0/10.0/30.0)	A3	1,000		22.9
R-430A	zeotrope	R-152a/600a (76.0/24.0)	A3	1,000		36.8
R-431A	zeotrope	R-290/152a (71.0/29.0)	A3	1,000		19.5
R-432A	zeotrope	R-1270/E170 (80.0/20.0)	A3	710		3.7
R-433A	zeotrope	R-1270/290 (30.0/70.0)	A3	880		9.6
R-434A	zeotrope	R-125/143a/134a/600a (63.2/18.0/16.0/2.8)	A1	1,000		566.0
R-435A	zeotrope	R-E170/152a (80.0/20.0)	A3	1,000		31.1
R-436A	zeotrope	R-290/600a (56.0/44.0)	A3	1,000		14.2
R-436B	zeotrope	R-290/600a (52.0/48.0)	A3	1,000		14.2
R-437A	zeotrope	R-125/134a/600/601 (19.5/78.5/1.4/0.6)	A1	990		141.5
R-500	azeotrope	R-12/152a (73.8/26.2)	A1	1,000 ¹⁰	47,000 ¹¹	215.1
R-501	azeotrope	R-22/12 (75.0/25.0)	A1	1,000		367.9
R-502	azeotrope	R-22/115 (48.8/51.2)	A1	1,000 ¹⁰	65,000 ¹¹	594.3
R-503	azeotrope	R-23/13 (40.1/59.9)		1,000	67,000	
R-504	azeotrope	R-32/115 (48.2/51.8)		1,000		820.7
R-507A	azeotrope	R-125/143a (50.0/50.0)	A1	1,000 ¹⁰		905.6
R-508A	azeotrope	R-23/116 (39.0/61.0)	A1	1,000 ¹⁰		396.2
R-508B	azeotrope	R-23/116 (46.0/54.0)	A1	1,000 ¹⁰		367.9
R509A	azeotrope	R-22/218 (44.0/56.0)	A1	1,000 ¹⁰		679.2
R-510A	azeotrope	R-E170/600a (88.0/12.0)	A3	1,000		24.6
R-600	CH ₃ CH ₂ CH ₂ CH ₃	butane	A3	1,000	3,400	2.8
R-600a	CH(CH ₃) ₂ CH ₃	isobutane (2-methyl propane)	A3	1,000	3,400	16.9
R-601	CH ₃ CH ₂ CH ₂ CH ₂ CH ₃	pentane	A3	600		5.7
R-601a	(CH ₃) ₂ CHCH ₂ CH ₃	2-methylbutane (isopentane)	A3	600		5.7
R-611	HCOOCH ₃	methyl formate	B2	100		
R-702	H ₂	hydrogen	A3			
R-704	He	helium	A1			
R-717	NH ₃	ammonia	B2	50 ¹²	300	0.4
R-718	H ₂ O	water	A1			footnote 14
R-720	Ne	neon	A1			
R-728	N ₂	nitrogen	A1			