

**TABLE 5-6**  
**Allowable Refrigerant Table<sup>1, 9, 12</sup>**

Refrigerant	Chemical Formula	Chemical Name <sup>4</sup> (Composition for Blends)	Safety Group <sup>1</sup>	OEL <sup>5</sup> (ppm)	IDLH <sup>6</sup> (ppm)	Kg/280m <sup>3</sup> of Space <sup>7</sup>
R-11	CCl <sub>3</sub> F	Trichlorofluoromethane	A1	C1000 <sup>8</sup>	2,000	11.0
R-12	CCl <sub>2</sub> F <sub>2</sub>	Dichlorodifluoromethane	A1	1,000	15,000	15.8
R-13	CClF <sub>3</sub>	Chlorotrifluoromethane	A1	1,000 <sup>10</sup>	67,000	
R-13B1	CBrF <sub>3</sub>	Bromotrifluoromethane	A1	1,000	40,000	
R-14	CF <sub>4</sub>	Tetrafluoromethane (carbon tetrafluoride)	A1	1,000 <sup>10</sup>	67,000	707.0
R-21	CHCl <sub>2</sub> F	Dichlorofluoromethane	B1	10 <sup>14</sup>	5,000	
R-22	CHClF <sub>2</sub>	Chlorodifluoromethane	A1	1,000 <sup>14</sup>	42,000 <sup>11</sup>	367.9
R-23	CHF <sub>3</sub>	Trifluoromethane	A1	1,000 <sup>10</sup>		206.6
R-30	CH <sub>2</sub> Cl <sub>2</sub>	Dichloromethane (methylene chloride)	B2	C1000 <sup>8</sup>	2,300	
R-32	CH <sub>2</sub> F <sub>2</sub>	Difluoromethane (methylene fluoride)	A2	1,000 <sup>13</sup>		135.8
R-40	CH <sub>3</sub> Cl	Chloromethane (methyl chloride)	B2	100	2,000	
R-50	CH <sub>4</sub>	Methane	A3	1,000 <sup>10</sup>		
R-113	CCl <sub>2</sub> FCClF <sub>2</sub>	1,1,2-trichloro-1, 2, 2 -trifluoroethane	A1	1,000	2,000	134.0
R-114	CClF <sub>2</sub> CClF <sub>2</sub>	1,2-dichloro-1,1,2,2 -tetrafluoroethane	A1	1,000	15,000	246.2
R-115	CClF <sub>2</sub> CF <sub>3</sub>	Chloropentafluoroethane	A1	1,000 <sup>14</sup>		1,330.1
R-116	CF <sub>3</sub> CF <sub>3</sub>	Hexafluoroethane	A1	1,000 <sup>10</sup>		962.2
R-123	CHCl <sub>2</sub> CF <sub>3</sub>	2,2-dichloro-1,1,1, -trifluoroethane	B1	50 <sup>13</sup>	4,000 <sup>11</sup>	99.1
R-124	CHClF <sub>2</sub> CF <sub>3</sub>	2-chloro-1,1,1,2 -tetrafluoroethane	A1	1,000 <sup>13</sup>		99.1
R-125	CHF <sub>2</sub> CF <sub>3</sub>	Pentafluoroethane	A1	1,000 <sup>13</sup>		650.9
R-134a	CH <sub>2</sub> FCF <sub>3</sub>	1,1,1,2-tetrafluoroethane	A1	1,000 <sup>13</sup>	50,000 <sup>11</sup>	367.9
R-141b	CH <sub>3</sub> CCl <sub>2</sub> F	1,1-dichloro-1-fluoroethane	A1	500 <sup>13</sup>		22.1
R-142b	CH <sub>3</sub> CClF <sub>2</sub>	1-chloro-1,1-difluoroethane	A2	1,000 <sup>13</sup>		144.3
R-143a	CH <sub>3</sub> CF <sub>3</sub>	1,1,1-trifluoroethane	A2	1000 <sup>13</sup>		127.4
R-152a	CH <sub>3</sub> CHF <sub>2</sub>	1,1-difluoroethane	A2	1,000 <sup>13</sup>		56.6
R-170	CH <sub>3</sub> CH <sub>3</sub>	Ethane	A3	1,000	6,400	15.3
R-E170	CH <sub>3</sub> OCH <sub>3</sub>	Dimethyl ether	A3	1,000 <sup>10</sup>		28.3
R-218	CF <sub>3</sub> CF <sub>2</sub> CF <sub>3</sub>	Octafluoropropane	A1	1,000		1,216.9
R-227ea	CF <sub>3</sub> CHFCF <sub>3</sub>	1,1,1,2,3,3,3-heptafluoropropane	A1	1,000		1,018.8
R-236fa	CF <sub>3</sub> CH <sub>2</sub> CF <sub>3</sub>	1,1,1,3,3,3-hexafluoropropane	A1	1,000 <sup>13</sup>		594.3
R-245fa	CHF <sub>2</sub> CH <sub>2</sub> CF <sub>3</sub>	1,1,1,3,3-pentafluoropropane	B1	300 <sup>13</sup>		339.6
R-290	CH <sub>3</sub> CH <sub>2</sub> CH <sub>3</sub>	Propane	A3	1,000	2,100	15.8
R-C318	-(CF <sub>2</sub> ) <sub>4</sub> -	Octafluorocyclobutane	A1	1,000 <sup>10</sup>		1,160.3
R-400	zeotrope	R-12/114 (50/50)	A1	1,000 <sup>10</sup>		283
R-400	zeotrope	R-12/114 (60/40)	A1	1,000		311.3
R-401A	zeotrope	R-22/152a/124 (53.0/13.0/34.0)	A1	1,000 <sup>10</sup>		186.78
R-401B	zeotrope	R-22/152a/124 (61.0/11.0/28.0)	A1	1,000 <sup>10</sup>		204.5