

## ANNEX

### Classification of a few refrigerants

Classification	Denomination	Composition or chemical formula <i>(mass percentage)</i>	Safety classification
<b>INORGANIC COMPOUND</b>			
R717	ammonia	NH <sub>3</sub>	B2
R718	water	H <sub>2</sub> O	A1
R744	carbon dioxide	CO <sub>2</sub>	A1
<b>ORGANIC COMPOUND</b>			
<b>Hydrocarbons</b>			
R170	ethane	CH <sub>3</sub> CH <sub>3</sub>	A3
R290	propane	CH <sub>3</sub> CH <sub>2</sub> CH <sub>3</sub>	A3
R600a	isobutane	CH(CH <sub>3</sub> ) <sub>2</sub> CH <sub>3</sub>	A3
<b>Halocarbons</b>			
<b>Chlorofluorocarbons (CFCs) and Bromofluorocarbons (BFCs)</b>			
R11	trichlorofluoromethane	CCl <sub>3</sub> F	A1
R12	dichlorodifluoromethane	CCl <sub>2</sub> F <sub>2</sub>	A1
<b>Hydrochlorofluorocarabures (HCFC)</b>			
R22	chlorodifluoromethane	CHClF <sub>2</sub>	A1
R141b	1,1-dichloro-1-fluoroethane	CH <sub>3</sub> CCl <sub>2</sub> F	A2
R142b	1-chloro-1,1-difluoroethane	CH <sub>3</sub> CClF <sub>2</sub>	A2
<b>Hydrofluorocarbons (HFCs)</b>			
R32	difluoromethane	CH <sub>2</sub> F <sub>2</sub>	A2
R125	pentafluoroethane	CHF <sub>2</sub> CF <sub>3</sub>	A1
R134a	1,1,1,2-tetrafluoroethane	CH <sub>2</sub> FCF <sub>3</sub>	A1
R143a	1,1,1-trifluoroethane	CH <sub>3</sub> CF <sub>3</sub>	A2
R152a	1,1-difluoroethane	CH <sub>3</sub> CHF <sub>2</sub>	A2
<b>Azeotropic mixtures</b>			
R502		R22/R115 (48.8/51.2)	A1
R507		R125/R143a (50/50)	A1
<b>Zeotropic mixtures</b>			
R404A		R125/R143a/R134a (44/52/4)	A1
R407C		R32/R125/R134a (23/25/52)	A1
R410A		R32/R125 (50/50)	A1