



R134a

Item	286540
Description	Refrigerant gas HFC

DATA SHEET

CAS N.	811-97-2
CEE N.	212-377-0
ASHRAE N.	R-134a
Chemical name	1,1,1,2-tetrafluoroethane
Molecular formula	C ₂ H ₂ F ₄

PROPERTIES

Appearance		Colourless liquefied gas
Molar mass	g/mol	102
Vapour pressure (a 20°C)	kPa	571,7
Freezing point	°C	-96,6
Boiling point (at 101,3 kPa)	°C	-26,1
Critical temperature	°C	101
Liquid density at 20°C (at P ev)	Kg/m ³	1225
Vapour density at 20°C (at P ev)	Kg/m ³	27,78
Acidity	ppm	≤ 1
High-boiling impurity	% v/v	≤ 0.01

GUARANTEE

Purity	% p/p	≥ 99,9
Vapor phase noncondensable	% v/v	≤ 1,5
Humidity	ppm	≤ 10