



R-508B

TECHNICAL DATA SHEET

Components

Chemical Name	Chemical Formula	%By weight	CAS No
Trifluoromethane (R-23)	CHF ₃	%46	76-46-7
Hexafluoroethane (R-116)	C ₂ F ₆	%54	76-16-4

Physical and chemical properties

At normal temperature and pressure, R-508B is a colourless gas.

Physical state.....	Gas
Form.....	Compressed liquefied gas
Molecular Weight (g/mol).....	95.39
Boiling Point at 1 atm, (°C)	-87.60
Melting Point (°C)	N/A
Temperature glide at 1.013 bar (K).....	0.44
Vapor pressure 10°C, (bar).....	36.568
Liquid Density at 0°C, (g/cm ³)	0.943
Critical Temperature, °C.....	11.2
Critical Pressure, bar.....	37.72
Critical Density, (kg/m ³)	570.5
ODP.....	0
GWP.....	13396*

Commercial Specifications (ISO9002)

Purity, %, min.....	99.5
Moisture content, ppm by weight.	10
Acid Value, ppm by weight.....	0.1
Residue, mg.kg.....	100

*The regulation on fluorinated greenhouse gases of EU 517-2014 has been taken considered.