



Octafluorocyclobutane. C_4F_8 Halocarbon C318

Product information Octafluorocyclobutane is an etching agent.

Characteristics Colorless liquefied gas with an ethereal odor. Poor warning properties at low concentrations. Asphyxiant in high concentrations. Gas density is heavier than air.

Physical data	Molecular weight	[g/mol]	200.04	
	Boiling point	at 1.013 bar [°C]	-5.99	at 14.5 psi [°F]
Density	at 1.013 bar, 15 °C [kg/m ³]	5.912	at 1 atm., 70 °F [lb/ft ³]	0.5172
Vapor pressure	at 0 °C [bar]	1.31	at 32 °F [psi]	18.99
	at 20 °C [bar]	2.69	at 70 °F [psi]	39
Flammability range in air (% volume)	-			

Shipping information	UN number	CAS number	EC number	DOT label	Hazard labels required
	1976	115-25-3	204.075-2	Nonflammable Gas	ADR Class 2.2 DOT Class 2.2

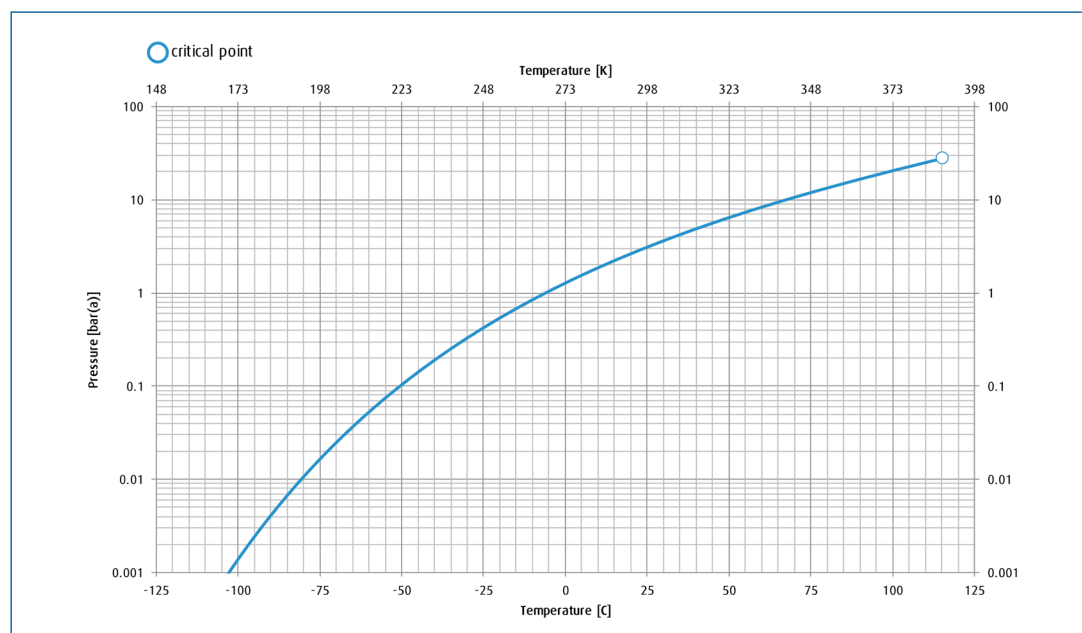
Product specification	Purity grade	Typical purity	Typical impurities [ppm]			
			H ₂ O	O ₂ +N ₂	Acidity(HF)	Other HFC
	4.0N	≥99.99 %	≤10	≤40	≤1	≤100
	5.0N	≥99.999 %	≤5	≤30	≤0.5	≤50

Packaging information

	Package options	Cylinder designation	Cylinder internal volume	Cylinder material	Cylinder diameter	Cylinder height to valve outlet	Cylinder tare weight	Fill contents	Pressure (psig) @ 70°	Valve outlet ⁽²⁾	Valve material
US	Cylinder	300	50L	Steel	9.25 in	55 in	143 lb	136 lb	25	CGA 716	SS
	Cylinder	200	44L	Steel	9.8 in	53 in	133 lb	100 lb	25	CGA 716	SS
	Cylinder	302	46L	Aluminum	9 in	52 in	98 lb	70 lb	25	CGA 716	SS
	Cylinder	152	29.5L	Aluminum	8 in	49 in	50 lb	44 lb	25	CGA 716	SS
EU	Cylinder	50L	50L	Steel	237 mm	1530 mm	63 kg	50 kg	40	DIN 6/ CGA 716	SS
	Cylinder	40L	40L	Aluminum	237 mm	1275 mm	42 kg	30 kg	40	DIN6	SS
China	Cylinder	44L	44L	Steel	24 in	16.1 in	137 kg	45 kg	40	CGA 716	SS

Please inquire about other package size availability

Vapor pressure curve



Additional information

The information, recommendations, and data contained in this publication are intended to give basic guidance for safe handling and use of gases. For more information, please refer to Safety Data Sheets. You can locate these through the [Linde Safety Data Sheet Search](#). It is essential for the safe use of gases that personnel are properly trained and are fully aware of the possible hazards. Further information and advice on any matter relating to the safe handling or use of these products may be obtained from the nearest Linde office.

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