



Hexafluoroethane. C_2F_6 Halocarbon C116

Product information Hexafluoroethane is an etchant and chamber cleaning agent.

Characteristics Colorless, odorless, liquefied gas. Asphyxiant in high concentrations. Gas density is heavier than air.

Physical data	Molecular weight	[g/mol]	138.01	
	Boiling point	at 1.013 bar [°C]	-78.2	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]	0.361
Vapor pressure	at 0 °C [bar]	18.64	at 32 °F [psi]	270.3
	at 20 °C [bar]	30.01	at 70 °F [psi]	435.3
Flammability range in air (% volume)		Non combustible		

Shipping information	UN number	CAS number	EC number	DOT label	Hazard labels required
	2193	76-16-4	200-939-8	Nonflammable Gas	ADR Class 2, 2A DOT Class 2.2

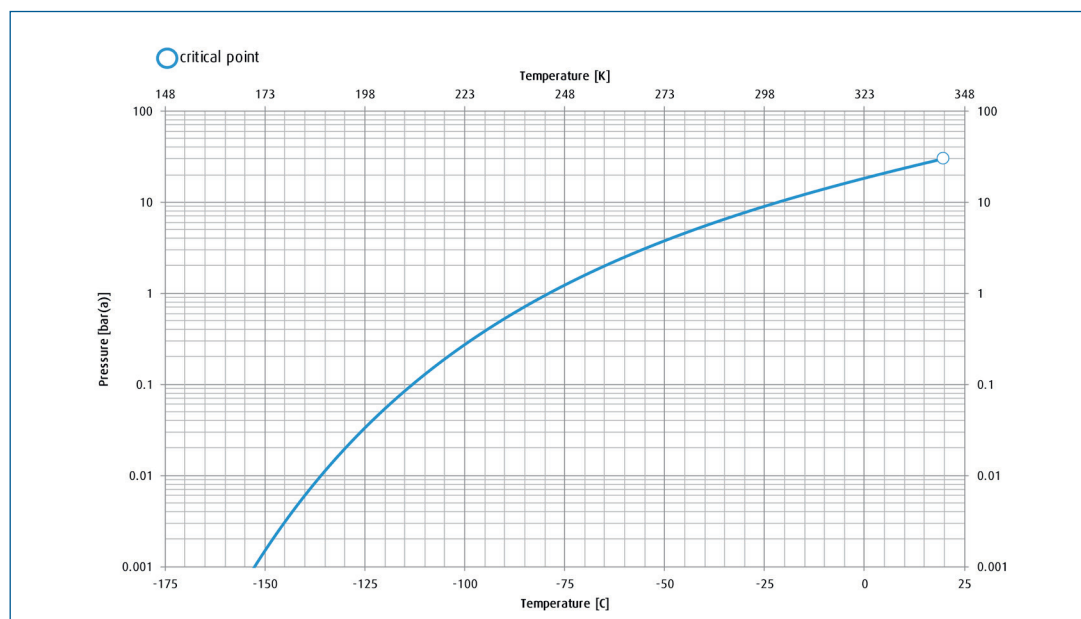
Product specification	Purity grade	Typical purity	Typical impurities [ppm]					Other Halocarbons	Acidity (HF) ppm(v)
			H ₂ O	N ₂	CO	CO ₂	O ₂		
5.0N	≥99.999 %	≤2	≤10	≤1	≤1	≤2	≤10	≤0.1	

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	Ton container	920	446L	Steel	24 in	16.1 in	1100 lb	950 lb	445	CGA 716	SS
	Cylinder	302	46L	Aluminum	9.8 in	53 in	98 lb	100 lb	445	CGA 660/ CGA 716	SS
	Cylinder	200	44L	Steel	9 in	52 in	133 lb	95 lb	445	CGA 660/ CGA 716	SS
	Cylinder	152	29.5L	Aluminum	8 in	49.5 in	49.5 lb	65 lb	445	CGA 660/ CGA 716	SS
EU	Cylinder	50L	50L	Steel	237 mm	1530 mm	63 kg	50 kg	445	DIN6	SS
	Cylinder	40L	40L	Aluminum	237 mm	1275 mm	42 kg	30 kg	445	DIN6	SS
China	Cylinder	47L	47L	Steel	237 mm	1500 mm	65 kg	40 kg	445	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.

Please visit www.linde.com/electronics for Linde Electronics sales offices information.