



# Octafluoropropane. $C_3F_8$ Halocarbon C218

**Product information** Octafluoropropane 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]	188.02		
	Boiling point	at 1.013 bar [°C]	-36.75	at 14.5 psi [°F]	-34.13
Density	at 1.013 bar, 15 °C [kg/m <sup>3</sup> ]	8.163	at 1 atm., 70 °F [lb/ft <sup>3</sup> ]	0.498	
Vapor pressure	at 0 °C [bar]	4.17	at 32 °F [psi]	60.46	
	at 20 °C [bar]	7.69	at 70 °F [psi]	115.05	
Flammability range in air (% volume)		Non combustible			

Shipping information	UN number	CAS number	EC number	DOT label	Hazard labels required
	2424	76-19-7	200-941-9	Nonflammable Gas	ADR Class 2, 2A DOT Class 2.2

Product specification	Purity grade	Typical purity	Typical impurities [ppm]					Acidity (HF)	Other Halocarbons
			H <sub>2</sub> O	O <sub>2</sub>	CO	N <sub>2</sub>	CO <sub>2</sub>		
3.6N	≥99.96 %	≤10	≤20	≤5	≤50	≤20	≤0.1	≤400	

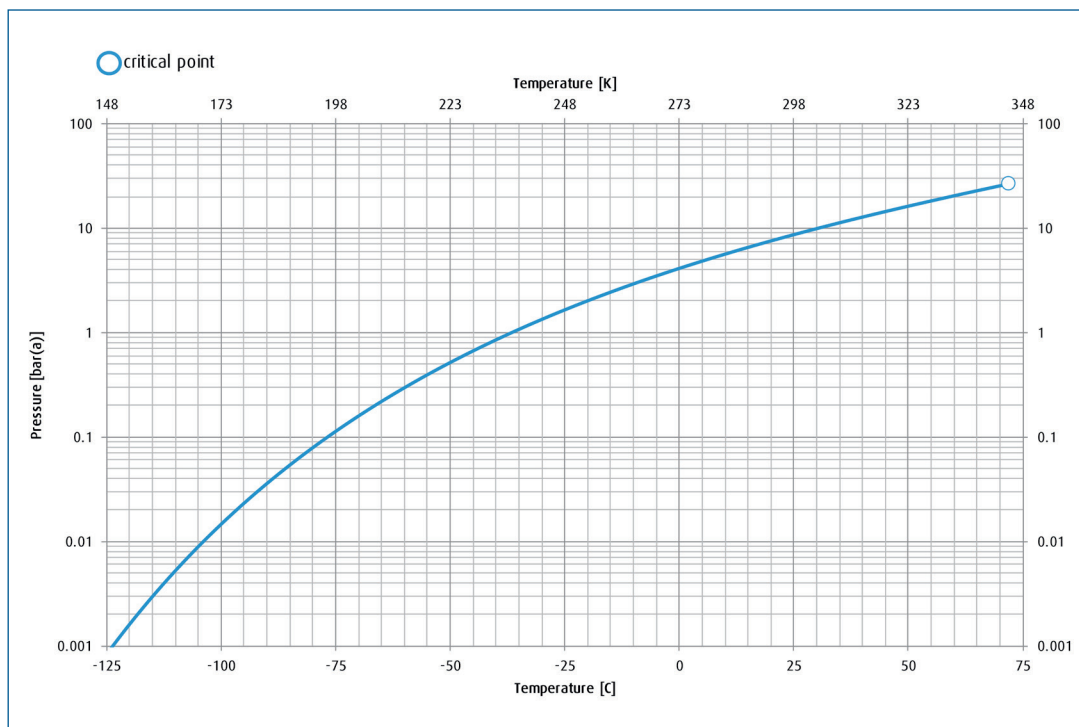
→ Octafluoropropane. Product datasheet.

## 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 <sup>(2)</sup>	Valve material
US	Cylinder	302	46L	Aluminum	9.8 in	53 in	98 lb	100 lb	100	CGA 716	SS
	Cylinder	200	44L	Steel	9 in	52 in	133 lb	95 lb	100	CGA 660/ CGA 716	SS
EU	Cylinder	50L	50L	Steel	237 mm	1530 mm	63 kg	50 kg	100	DIN6	SS
China	Cylinder	44L	44L	Steel	9 in	52 in	60 kg	45 kg	100	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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