



High-Purity FC-2316

Octafluoropropane

Properties and Classification

Appearance: Colorless and odorless gas

UN Number: 3160

CAS Number: 685-63-2

Liquefied gas

* Refer to MSDS for detailed information on the properties and safety of the product.

Specification

※ More information, please contact Emai

Under construction

Cylinder

Item		10L cylinder	47L cylinder
Size	Inside diameter	140mm *	232mm *
	Height (to the neck portion)	850mm *	1370mm *
	Height (with a protective cap) *	1000mm *	1520mm *
	Valve nozzle height (center) *	875mm *	1380mm *
Loading weight		5, 10kg	35, 50kg *
Material		Manganese steel	

* Estimated values for when a standard valve is mounted on a standard cylinder.
The accuracy of these values is not guaranteed.

Valve

Nozzle size	φ22 mm X 14 left-hand threads
Material	BRASS

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Hexafluoro-1,3-butadiene

C₄F₆

Physical & Chemical Properties

Item	Unit	Data
Chemical formula		C ₄ F ₆
Molecular weight		162.03
Boiling point	°C	5.4
Melting point	°C	-132.1
Specific gravity (air: 1)		5.6
Liquid density (20° C, saturated liquid)	kg/l	1.434
Gas density (boiling point)	g/l	7.096
Critical temperature	°C	170.7
Critical pressure	MPa	6.08
	kg/cm ²	62.0
Flammability	°C	490
Toxicity		Not applicable
Latent heat of vaporization (boiling point)	kJ/kg	161.8
Maximum permissible concentration (ACGIH)	ppm	—
Explosive limit (in air)	vol%	5~27

Temperature — Vapor Pressure Curve

