

Isobutane



Transportation Information

UN Number: 1969



Shipping Name	Isobutane	Isobutane	Isobutane
Hazard Class	2.1	2.1	2.1
Label	Flammable Gas	Flammable Gas	Flammable Gas

(M)SDS Reference

P-4613

CAS Number

75 - 28 - 5

General Description

Colorless, flammable, liquefied gas with a slight odor.

Product/Grade	Purity	Part Number	Cylinder	H ₂ O	N ₂	O ₂	Other THC	Sulfur
Research, 4.0	99.99 wt% (liquid phase)	IS 4.0RS	FX/FXS, LP5	3	20	5	90 wt	1 wt
Instrument, 2.5	99.5 wt% (liquid phase)	IS 2.5IS	HT, FX/FXS, LP5	5	400	100	0.49%	1 wt
Chemically Pure (CP), 2.0	99.0 wt% (liquid phase)	IS 2.0	HT, FX/FXS, LP5	10	800	200	0.9%	1 wt

Concentrations given are ppm by volume unless otherwise specified. Maximum ppm unless otherwise noted.

Cylinders

Cylinder Type	Style	Size in (cm)	Connection CGA/DISS	Pressure psig (bar)	Volume lb (kg)	Gross Weight lb (kg)
HT	Low Pressure Steel	55 x 29.8 (139.7 x 75.6)	510	31 (2.14)	490 (222.7)	805 (365.9)
FX/FXS	Low Pressure Steel	45 x 15 (114.3 x 38.1)	510/555	31 (2.14)	116 (52.6)	191 (87)
LP5	Low Pressure Steel	17.6 x 12 (44.85 x 30.48)	510	31 (2.14)	23 (10.4)	41 (18.6)

Equipment Recommendations

Research, 4.0	3000 series regulators
Instrument, 2.5	2000 series regulators
Chemically Pure (CP), 2.0	2000 series regulators



2002 Series – High Purity Economical Regulator (see page E-257)



See Section D for additional information on Praxair products for the Hydrocarbon Processing Industry (pages D-175 - D-184).

See Sections F and G for safety and technical information.