

# Ethylene



## Transportation Information

UN Number: 1962



Shipping Name	Ethylene	Ethylene, Compressed	Ethylene
Hazard Class	2.1	2.1	2.1
Label	Flammable Gas	Flammable Gas	Flammable Gas

## (M)SDS Reference

P-4598

## CAS Number

74 - 85 - 1

## General Description

Colorless, flammable gas with a sweet odor and taste.

Product/Grade	Purity	Part Number	Cylinder	O <sub>2</sub>	H <sub>2</sub> O	CO <sub>2</sub>	CO	N <sub>2</sub>	Acetylene	Other THC
Research, 5.0	99.999%	EY 5.0RS	T, K, Q	2	3	2	2	2	2	8
Polymer, 3.0	99.9%	EY 3.0PL	T, K, Q	20	5	10	3	100	8	800
High Purity, 2.5	99.5%	EY 2.5	T, K, Q	100	5	15	5	300	–	4000
Chemically Pure (CP), 1.85	98.5%	EY 1.85	T, K	–	–	–	–	–	–	–

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

## Cylinders

Cylinder Type	Style	Size in (cm)	Connection CGA	Pressure psig (bar)	Volume lb (kg)	Gross Weight lb (kg)
T	High Pressure Steel	55 x 9.3 (139.7 x 23.5)	350	1600 (110.31)	37 (16.7)	180 (82)
K	High Pressure Steel	51 x 9 (129.5 x 22.9)	350	1200 (82.74)	30 (13.6)	163 (74)
Q	High Pressure Steel	31 x 7 (78.7 x 17.8)	350	1200 (82.74)	10 (4.5)	75 (34)
G	High Pressure Steel	20 x 6 (50.8 x 15.2)	350	1200 (82.74)	4.5 (2)	35 (15.9)

Cylinder packs and tube trailers are available upon request.

## Equipment Recommendations

Research, 5.0	4000 series regulator
Polymer, 3.0	3000 series regulator
High Purity, 2.5	3000 series regulator
Chemically Pure (CP), 1.85	2000 series regulator



2012 Series – High Purity Economical Regulator for Non-Corrosive Service (see page E-256)



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.