



Pure Gases

Ethylene

Transportation Information

UN Number: 1962



United States of America



Canada



Mexico

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

Formula

C₂H₄

MSDS Reference

P-4598

CAS Number

74 - 85 - 1

General Description

Colorless, flammable gas with a sweet odor and taste.

Product and Package Information

Part Number	Product Grade	Quality Assay/ Specification	Cylinder Style	Content	Regulator Recommendations See Section F, Page 2
EY 5.0RS*	5.0 Research	99.999 % O ₂ < 2 ppm N ₂ < 2 ppm CO < 0.5 ppm CO ₂ < 1 ppm C ₂ H ₂ < 0.5 ppm C ₂ H ₆ < 5 ppm Other HC < 5 ppm H ₂ O < 3 ppm	RB	150 g	400 Series: Non-corrosive
EY 3.0PL*	3.0 Polymer	99.9 % O ₂ < 10 ppm N ₂ < 50 ppm CO < 3 ppm CO ₂ < 10 ppm C ₂ H ₂ < 6 ppm C ₂ H ₆ < 100 ppm Other HC < 100 ppm H ₂ O < 5 ppm Sulfur < 1 ppm	T K Q	37 lb/16.7 kg 30 lb/13.6 kg 10 lb/4.5 kg	300 Series: Non-corrosive 200 Series: Non-corrosive
EY 2.5*	2.5	99.5 % O ₂ < 25 ppm N ₂ < 100 ppm CO < 5 ppm CO ₂ < 15 ppm Other HC < 2000 ppm H ₂ O < 5 ppm	T K Q	37 lb/16.7 kg 30 lb/13.6 kg 10 lb/4.5 kg	300 Series: Non-corrosive 200 Series: Non-corrosive
EY 1.85*	1.85	98.5 %	T K	37 lb/16.7 kg 30 lb/13.6 kg	200 Series: Non-corrosive 100 Series: Non-corrosive

*Pure ethylene not registered for FIFRA regulated applications.

When ordering, please add the desired cylinder style to the end of the above part number. (EY 3.0PL-**T**)

See Sections E for additional information on Praxair products for the Hydrocarbon Processing Industry (E12-E15)

Cylinder Information

Cylinder Style	Connection CGA	Pressure psig/bar	Gross Weight lb/kg
T	350	1600/110.31	180/82
K	350	1200/82.74	163/74
Q	350	1200/82.74	75/34
RB	350	1200/82.74	6/3

See Sections G and H for safety and technical information.