

Acetylene

Description

Synonym: Ethyne, Ethine
Formula: C₂H₂

Gas Data

Molecular Weight: 26.04
Density: 1.09 kg/m³ @ 21.1°C, 101.325 kPa
0.0680 lb/ft³ @ 70°F, 14.696 psia
Specific Volume: 0.917 m³/kg @ 21.1°C, 101.325 kPa
14.7 ft³/lb @ 70°F, 14.696 psia

Safety Information

LFL in Air: 2.5%
UFL in Air: 100%
Property Statement: Forms explosive acetylides with copper, mercury or silver. Dissolved in acetone.

Shipping Information

CAS Registry Number: 74-86-2
UN Number: UN 1001
ECCN Number: EAR99
DOT Proper Shipping Name: Acetylene, Dissolved
DOT Classification: 2.1 (Flammable Gas)
DOT Label: FLAMMABLE GAS
TC Shipping Name: Acetylene, Dissolved
TC Classification: 2.1
TC Label: FLAMMABLE GAS

Cylinder Specifications

Cylinder Size	Content		Valve Outlet CGA No.
	US	Metric	
AC LG	310 cf	8.77 m ³	510
AC MED	250 cf	7.08 m ³	510
AC SM	140 ft ³	3.96 m ³	510
AC75	75 ft ³	2.12 m ³	510
B	40 ft ³	1.13 m ³	520
MC	10 ft ³	0.28 m ³	200

Our packaging of gases includes a complete range of cylinder sizes, cylinder cradles (6 and 12 packs), tube trailers, microbulk and bulk. We can handle virtually any size requirement, for customers using 1 or 2 cylinders per year, to customers using millions of cubic feet of product monthly.



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