

Acetylene

Description

Synonym: Ethyne, Ethine
 Formula: C_2H_2

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	
5	330 ft ³	9.34 m ³	510
4.5	200 ft ³	5.66 m ³	510
4	140 ft ³	3.96 m ³	510
3	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.