

Acetylene 2.6



Ethine

Marking

CAS

Characterization acc. ADR

Cylinder Marking

74-86-2
UN 1001 ACETYLENE,
DISSOLVED, 2.1, (B/D)



Shoulder color: marron

Essential properties

dissolved gas, lighter than air, colorless, flammable, possibly exothermic self-ignition

Symbols of risks



Physical Properties

molecular weight	26,038 kg/kmol
gas density at 0 °C and 1,013 bar	1,1775 kg/m ³
density ratio to air	0,9066
vapour pressure at 20 °C	43,26 bar

For additional safety information see safety data sheet *-C2H2-001

Valves / Manifolds

Valve connection

acc. to national regulations



Recommended Manifolds

Spectrotec

Specification / receptacles			
		Acetylene 2.6	
Composition			
C ₂ H ₂	≥	99.6	Vol.-%
Impurities			
PH ₃	≤	10	ppmv
H ₂ S	≤	10	ppmv

Remarks

Applications:

Fuel gas for atomic absorption spectroscopy (AAS) and flame photometry.

For reasons of quality no filling of customer owned cylinders.

For reasons of stability acetylene is dissolved under pressure in a solvent (acetone or DMF). During withdrawal the gas contains solvent vapours.