

Marking

CAS-Number 74-98-6

Characterization acc. ADR UN 1978, Propane, 2.1
Class 2, 2 F

Cylinder Marking

shoulder:
red

Essential properties

Colourless, odorless, flammable gas, liquified, heavier than air

Symbols of Risks

flammable



gas, liquified

Physical Properties

molecular weight: 44,096 kg/kmol
 gas density at 0°C and 1,013 bar: 2,0098 kg/m³
 density ratio to air: 1,554
 vapour pressure at 20°C: 8,367 bar

For additional safety information see Material-/safety data sheet No. *-C3H8-104

Valves / Manifolds

Valve connection acc. to national standards

Recommended Manifolds Spectrolab control valve PN 40

**Specifications / Cylinders**

		2.5	3.5	
Composition				
C ₃ H ₈	>	99,5	99,95	Vol.-%
Impurities				
O ₂	<	100	10	ppmv
N ₂	<	400	30	ppmv
H ₂ O	<	10	10	ppmv
CO ₂	<	100	5	ppmv
other HC	<	4500	450	ppmv
Cylinders / Contents				
F 10 8,3 bar		4,3	4,3	kg
F 50 8,3 bar		21,2	-	kg

Remarks

Applications:
 Fuel gas for barbeques and portable stoves
 Fuel gas for laboratory burners
 Fuel gas for vehicles (liquefied petroleum gas, LPG)
 Research for polymerisation catalysts