

Butane



n-Butane

Marking

CAS

106-97-8
UN 1011 BUTANE, 2.1, (B/D)

Characterization acc. ADR

Cylinder Marking



Shoulder color: red

Essential properties

liquified gas, heavier than air, colorless, flammable

Symbols of risks



Physical Properties

molecular weight	58,123 kg/kmol
gas density at 0 °C and 1,013 bar	2,709 kg/m ³
density ratio to air	2,095
vapour pressure at 20 °C	2,081 bar

For additional safety information see safety data sheet *-C4H10-017

Valves / Manifolds

Valve connection

acc. to national regulations



Recommended Manifolds

Spectrolab control valve PN 40

Specification / receptacles				
		Butane 2.5	Butane 3.5	
Composition				
C ₄ H ₁₀	≥	99.5	99.95	Vol.-%
Impurities				
O ₂	≤	100	10	ppmv
N ₂	≤	400	40	ppmv
sulfur part	≤	1	-	ppmv
other HC	≤	4,500	500	ppmv
H ₂ O	≤	-	5	ppmv
H ₂ O	≤	10	-	ppmw