

**Marking**

<b>CAS-Number</b>	106-97-8
<b>Characterization acc. ADR</b>	UN 1011, Butane, 2.1 Class 2, 2F

**Cylinder Marking**

shoulder:  
red

**Essential properties**

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

**Symbols of Risks**

extremely flammable



gas, liquified

**Physical Properties**

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

For additional safety information see Material-/safety data sheet No. \*-C4H10-017

**Valves / Manifolds**

<b>Valve connection</b>	acc. to national standards
<b>Recommended Manifolds</b>	Spectrolab control valve PN 40

**Specifications / Forms of delivery**

		2.5	3.5	
<b>Composition</b>				
C <sub>4</sub> H <sub>10</sub>	>	99,5	99,95	Vol.-%
<b>Impurities</b>				
O <sub>2</sub>	<	100	10	ppmv
N <sub>2</sub>	<	400	40	ppmv
H <sub>2</sub> O	<	5	3	ppmv
other HC	<	4500	500	ppmv
<b>Cylinders / Contents</b>				
F 10		-	4,9	kg
F 50		24,5	-	kg