

2-Methyl propane

## Marking

CAS

Characterization acc. ADR

Cylinder Marking

75-28-5  
UN 1969 ISOBUTANE, 2.1,(B/D)



Shoulder color: red

## Essential properties

liquified gas, heavier than air, colorless, flammable

Symbols of risks



For additional safety information see safety data sheet \*-C4H10-075

## Description

Colourless, highly flammable, liquified gas with slightly sweet odor. Forms explosive mixtures in air.

## Materials

Cylinders and valves: any usual materials

Seals: PTFE, PCTFE, PVDF, PA, PP, NBR, CR, FKM

Physical Properties			
molecular weight	58,123 kg/kmol	vapour pressure at 20°C	
critical point		gas density at 0°C and 1,013 bar	2,6956 kg/m <sup>3</sup>
temperature	407,850 K	density ratio to air	2,0849
Pressure	36,9 bar	gas density at 15°C and 1 bar	2,5060 kg/m <sup>3</sup>
density	0,2244 kg/l	conversion factor	
triple point		liquid at Ts to m <sup>3</sup> gas (15°C, 1 bar)	
temperature	113,550 K	virial coefficient	
Pressure	1,9481*10 <sup>-7</sup> bar	Bn at 0°C	-37,9*10 <sup>-3</sup> bar <sup>-1</sup>
boiling point		B30 at 30°C	-27,1*10 <sup>-3</sup> bar <sup>-1</sup>
temperature	261,54 K; -11,6 °C	gaseous state at 25°C and 1 bar	
liquid density	0,5937 kg/l	specific heat capacity cp	1,698 kJ/kg K
evaporation heat	366,7 kJ/kg	thermal conductivity	159,6*10 <sup>-4</sup> W/m K
		dynam. viscosity	7,52*10 <sup>-6</sup> Ns/m <sup>2</sup>