

# BUTANE N25 / N-C<sub>4</sub>H<sub>10</sub>



Air Liquide's Gas Encyclopedia - Pages: 697 - 704

## Applications

Organic synthesis  
R&D

## Transport information

### Liquified Gases

Proper shipping name	Butane
UN-Nr	1011
ADR/RID	Class 2 Classification code 2 F



## Safety Data Sheets

Liquefied gas : N° EIGA014  
Access: <http://www.airliquide-benelux.com/>

## Physical information

Molecular weight	58 g/mol
Relative density:	
Relative density, gas	2.1 (air=1)
Colour	Colorless
Odor	odorless, foul smell product often added
CAS number	106-97-8

## Properties

**Hazards identification:** Extremely flammable

**Flammability range:** 1.4 to 9.4 (% vol in the air)

**Personal protection:** Ensure adequate ventilation. For full and more detailed information, please consult the Material Safety Data Sheet (MSDS).



## Cylinder equipment

Valve fittings  
Cylinder: B8 - W 21.8 x 1.814 left-hand, male  
Shoulder colour: Red (RAL 3000)



**Product Specifications**

Global purity (% Vol. abs)	Impurities (ppm-mol)		Supply mode	Packaging size	Pressure	Capacity	Product reference
$N-C_4H_{10}$							
> 99,5 %	H <sub>2</sub> O	< 50	Cylinder	83L DIP TUBE	0.75 bar	42 kg	P0642L83T0A001
	O <sub>2</sub>	< 200					
	N <sub>2</sub>	< 800					
	CO <sub>2</sub>	< 50					
	H <sub>2</sub>	< 100					
	iC <sub>4</sub> H <sub>10</sub>	< 3000					
	other C <sub>n</sub> H <sub>m</sub> than iC <sub>4</sub> H <sub>10</sub>	< 800					

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