

BUTANE N25 / N-C₄H₁₀

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: <https://be.airliquide.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) N-C ₄ H ₁₀ | Impurities (ppm-mol) | | Supply mode | Packaging size | Pressure | Capacity | Product reference |
|---|---|--------|----------------|----------------|----------|----------|-------------------|
| > 99,5 % | H ₂ O | < 50 | Cylinder | 83L DIP TUBE | 0.75 bar | 42 kg | P0642L83T0A001 |
| | O ₂ | < 200 | | | | | |
| | N ₂ | < 800 | | | | | |
| | CO ₂ | < 50 | | | | | |
| | H ₂ | < 100 | | | | | |
| | iC ₄ H ₁₀ | < 3000 | | | | | |
| | other CnHm than iC ₄ H ₁₀ | < 800 | | | | | |

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