

METHANE N55 / CH₄



Air Liquide's Gas Encyclopedia - Pages: 273 - 303

Applications

ICP-MS (Dynamic Reaction Cell)

Transport information

Compressed gases

Proper shipping name	Methane, compressed
UN-Nr	1971
ADR/RID	Class 2
	Classification code 1F



Safety Data Sheets

Compressed gas : N° EIGA078A
Access: <https://be.airliquide.com/>

Physical information

Molecular weight	16 g/mol
Relative density:	
Relative density, gas	0.6 (air=1)
Colour	Colorless
Odor	Odorless
CAS number	74-82-8

Properties

Hazards identification: Extremely flammable, can cause asphyxiation

Flammability range: 4.4 to 17 (% vol in the air)

Personal protection: Ensure adequate ventilation



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
CH ₄							
≥ 99,9995 %	H ₂ O	≤ 2 ppm mol	Cylinder	10L	175 bar	2,2 m ³	P0716S10R7A001
	O ₂	≤ 0.5 ppm mol	Cylinder	50L	175 bar	11,2 m ³	P0716L50R7A001
	C ₂ H ₆	≤ 0.1 ppm mol					
	CnHm other than C ₂ H ₆	≤ 0.05 ppm mol					
	CO ₂	≤ 0.1 ppm mol					
	N ₂	≤ 2 ppm mol					
	H ₂	≤ 0.1 ppm mol					

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