



Air Liquide delivers Methane in Europe and all around the world, in packages adapted to each customer.

General information

Official designation: Methane

Colorless – Odorless

Non corrosive

Applications

Chemical synthesis

Radiations detection

Gas flame - Reference gas (combustion)

In mixture with argon, methane is used in Geiger counter and for the detector in X Ray Fluorescence (XRF) as quenching gas.

In mixture with other hydrocarbons, methane is used as reference point in calorimetric measurements for the measurement of PCI of hydrocarbons or coal.

Methane is used in calibration gas mixtures for petrochemical industry; environmental emission monitoring, industrial hygiene monitors and trace impurity analyzers.

Safety Data Sheet

Reference EIGA078A, available on our website www.airliquide-benelux.com

Physical properties

Molecular weight: 16 g / mol

Relative density, gas: 0,6

Relative density, liquid: 0,42

CAS N°: 74-82-8

Transport information

ONU N° 1971 – Methane

ADR/RID Class 2.1

ADR sticker 2.1- flammable gas

Product specifications – in mol ppm (gas phase)

Product Quality Purity	Methane	CH4 G20 ≥ 99 %	CH4 N25 ≥ 99,5 %	CH4 N35 99,95%	CH4 N45 99,995%	CH4 N55 99,9995%
Impurities	Air + CO2 + THC + H2O	< 1 %	< 5000 ppm	/	/	/
	H2O	/	/	5,0 ppm	5,0 ppm	2,0 ppm
	O2	/	/	10,0 ppm	5,0 ppm	0,5 ppm
	CO2	/	/	10,0 ppm	1,0 ppm	0,1 ppm
	H2	/	/	20,0 ppm	1,0 ppm	0,1 ppm
	N2	/	/	200,0 ppm	15,0 ppm	2,0 ppm
	C2H6	/	/	200,0 ppm	15,0 ppm	0,1 ppm
	Other CnHm	/	/	50,0 ppm	5,0 ppm	0,05 ppm

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