

# Chemical

## Methyl Chloride



### **METHYL CHLORIDE:** Reagent for methylation reactions.

Methyl chloride is a flammable liquefied gas used primarily in chemical reactions where methylation is required. These reactions are used in the chemical, pharmaceutical, and food industries.

#### **Chemical Name:**

Chloromethane

#### **CAS Number:**

74-87-3



#### **Technical Characteristics:**

- > Extremely flammable liquefied gas.
- > Gas suspected of being carcinogenic. Must be handled with extreme caution complying with safety procedures.
- > Characteristic smell.

#### **Envases:**

- Cylinder
- Big Cylinder
- Container - Tank

#### **Applications:**



Chemical reagent

## Table of Properties:

Molecular weight	50.48	g/mol
Boiling point	-24	°C
Liquid density at boiling point	1003.4	kg/m <sup>3</sup>
C <sub>p</sub> (specific heat at constant pressure at 25 <sup>a</sup> C)	0.807512	kJ/kg k
Specific Gravity	0.92	
LEL (Lower Explosive Limit)	7.6	% volume
UEL (Upper Explosive Limit)	19	% volume

## Material Compatibility:

### Metals

Aluminum	Not recommended
Brass	Satisfactory
Monel	Satisfactory
Copper	No data
Ferritic steel	Satisfactory
Stainless steel	Satisfactory
Zinc	Not recommended
Titanium	No data

### Elastomers

Butyl (isobutene-isoprene) rubber	Not recommended
Nitrile rubber NBR	Not recommended
Chloroprene	Not recommended
Chlorofluorocarbons	Satisfactory
Silicone	Not recommended
Perfluoroelastomers	Satisfactory
Fluoroelastomers	Satisfactory
Neoprene	Not recommended
Polyurethane	Not recommended
Ethylene-Propylene	Not recommended

## More Information:

If you want more information about our products, contact us.

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GRIT, Gases Research Innovation & Technology

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