# 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: | CAS Number: |
| --- | --- |
| Chloromethane | 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/m3 |
| Cp (specific heat at constant pressure at 25ªC) | 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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