

METHYL CHLORIDE (CH₃Cl)

Synonyms : Chloromethane; R40; Freon 40; Monochloromethane;
Halocarbon 40; Fluorocarbon 40



Gas Description

Methyl Chloride is a colourless, flammable gas that becomes corrosive when wet. it has a intensely irritating odour with a gas density at STP 2.134 kg/m³.

Typical applications :

Solvent
Chemical intermediate
Refrigerant
Propellant gas
Local anesthetic

Transport Regulations :

UN Number : 1063
Shipping Name : METHYL CHLORIDE
Class : 2.1: Flammable gases
CAS Number : 74-87-3
Hazchem : 2WE

[Click here](#) for MSDS
[Click here](#) for more information

Physical Properties

Chemical symbol : CH₃Cl
Molecular weight : 50.49
Specific gravity (Air=1) : 1.74
Specific volume (m³/kg) : 0.47
Critical temperature : 143°C
Boiling point : -23.8°C

Melting Point : NDA
Critical pressure (bar) : 66.81
Major hazards : Fire, Inhalation, Body Contact
Toxicity : TWA 50ppm STEL 100ppm
Flammability Range : 7.6 - 19.0% ref N^o61
Odour : Faintly Sweet

[Click here](#) for more information

Application

INDUSTRY

Chemicals

APPLICATION

Methyl chloride is used mainly in the production of silicones. It is also used in the production of agricultural chemicals, methyl cellulose, quaternary amines and butyl rubber. Due to concerns about it's ozone-depleting potential, it is no longer present in refrigerators. (Montreal protocol : the international agreement signed for the production of the stratospheric ozone layer).

[Click here](#) for more information

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Methyl Chloride

<u>Gas</u>	<u>Cylinder information</u>			
Typical impurities (ppm molar)	Cylinder Size	Valve Connection	Pressure (kPa)	Contents (m ³)

Available Upon Request
Call For Supply Information

Recommended Equipment

For further information [Contact](#) the specialty gases representative in your region.