



# Methyl Chloride

## Description

Synonym: Chloromethane  
Formula: CH<sub>3</sub>Cl

## Gas Data

Molecular weight: 50.49  
Density: 2.130 kg/m<sup>3</sup> @ 21.1°C, 101.325 kPa  
0.1330 lb/ft<sup>3</sup> @ 70°F, 14.696 psia  
Specific Volume: 0.4695 m<sup>3</sup>/kg @ 21.1°C, 101.325 kPa  
7.519 ft<sup>3</sup>/lb @ 70°F, 14.696 psia

## Safety Information

LFL in Air: 8.1%  
UFL in Air: 17.4%  
Permissible Exposure Limit (TLV): 50 ppm

## Shipping Information

CAS Registry Number: 74-87-3  
UN Number: UN 1063  
ECCN Number: EAR99  
DOT Proper Shipping Name: Methyl Chloride  
DOT Classification: 2.1 (Flammable Gas)  
DOT Label: FLAMMABLE GAS  
TC Shipping Name: Methyl Chloride  
TC Classification: 2.1  
TC Label: FLAMMABLE GAS

## Cylinder Specifications

Cylinder Size	Valve Outlet CGA No.	Pressure psig @ 70°F	Pressure kPa @ 21.1°C	Approximate Ship Weight	
				lb	kg
1J	660	59	406	160	73
2	660	59	406	99	45
3	660	59	406	45	20
LB	170	59	406	6	3

Gas Grade Purity Specifications	Product Code	Cylinder Size	Content		Equipment Recommendations	Model No.
			US	Metric		
Methyl Chloride, CP Grade 99.5%	G1471110	1J	100 lb	45.36 kg	Single Stage Reg.	Series 3530-660
	G1471145	2	25 lb	11.34 kg	LB Regulator	Series 3550-170
	G1471150	3	6 lb	2.72 kg	Tee Purge	4753-660
	G1471175	LB	0.5 lb	227 gm	Cyl. Valve Wrench	TW-2*

Liquid phase, weight/weight%

A Certificate of Conformance will be provided on request.

\*Except LB

⚠WARNING: This product can expose you to chemicals including Methyl Chloride, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).