



# 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.	Page No.
			US	Metric			
Methyl Chloride, CP Grade 99.9%	G1471110	1J	100 lb	45.36 kg	Single Stage Reg. LB Regulator Tee Purge Personal Monitor Cyl. Valve Wrench	Series 3530-660	313
	G1471145	2	25 lb	11.34 kg		Series 3550-170	314
	G1471150	3	6 lb	2.72 kg		4753-660	423
	G1471175	LB	0.5 lb	227 gm		IQ250 TW-2*	398 430

Liquid phase, weight/weight%

A Certificate of Conformance will be provided on request.

\*Except LB