Methyl Chloride

**Description**

**Synonym:** Chloromethane  
**Formula:** CH\(_3\)Cl

**Gas Data**

**Molecular weight:** 50.49  
**Density:** 2.130 kg/m\(^3\) at 21.1°C, 101.325 kPa  
**0.1330 lb/ft\(^3\) at 70°F, 14.696 psia**  
**Specific Volume:** 0.4695 m\(^3\)/kg at 21.1°C, 101.325 kPa  
**7.519 ft\(^3\)/lb at 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

<table>
<thead>
<tr>
<th>Cylinder Specifications</th>
<th>Product Code</th>
<th>Cylinder Size</th>
<th>Content Weight</th>
<th>Equipment Recommendations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl Chloride, CP Grade 99.9%</td>
<td>G1471110</td>
<td>1J</td>
<td>100 lb</td>
<td>Single Stage Reg.</td>
</tr>
<tr>
<td></td>
<td>G1471145</td>
<td>2</td>
<td>25 lb</td>
<td>LB Regulator</td>
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<tr>
<td></td>
<td>G1471150</td>
<td>3</td>
<td>6 lb</td>
<td>Tee Purge</td>
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<tr>
<td></td>
<td>G1471175</td>
<td>LB</td>
<td>0.5 lb</td>
<td>Personal Monitor</td>
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<td>Cyl. Valve Wrench</td>
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</tbody>
</table>

**Liquid phase, weight/weight%**

*A Certificate of Conformance will be provided on request.*

*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.*