Trimethylamine

Description
Formula: (CH₃)₃N

Gas Data
Molecular Weight: 59.11
Density: 2.5 kg/m³ @ 21.1°C, 101.325 kPa
Specific Volume: 0.40 m³/kg @ 21.1°C, 101.325 kPa

Safety Information
LFL in Air: 2%
UFL in Air: 11.6%
Permissible Exposure Limit (TLV): 5 ppm

Shipping Information
CAS Registry Number: 75-50-3
UN Number: UN 1083
DOT Proper Shipping Name: Trimethylamine, Anhydrous
DOT Classification: 2.1 (Flammable Gas)
DOT Label: FLAMMABLE GAS
TC Shipping Name: Trimethylamine, Anhydrous
TC Classification: 2.1
TC Label: FLAMMABLE GAS

Cylinder Specifications

<table>
<thead>
<tr>
<th>Cylinder Size</th>
<th>Valve Outlet Pressure</th>
<th>Pressure kPa @ 21.1°C</th>
<th>Approximate Ship Weight lb</th>
<th>Approximate Ship Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1F</td>
<td>705</td>
<td>13.3</td>
<td>92</td>
<td>207</td>
</tr>
<tr>
<td>2</td>
<td>705</td>
<td>13.3</td>
<td>92</td>
<td>89</td>
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<tr>
<td>3</td>
<td>705</td>
<td>13.3</td>
<td>92</td>
<td>32</td>
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<tr>
<td>LB</td>
<td>180</td>
<td>13.3</td>
<td>92</td>
<td>6</td>
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</table>

Gas Grade Purity Specifications

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Cylinder Size</th>
<th>Cylinder Content US lb</th>
<th>Cylinder Content Metric kg</th>
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</thead>
<tbody>
<tr>
<td>G1594106</td>
<td>1F*</td>
<td>125</td>
<td>56.70</td>
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<td>G1594140</td>
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<td>15</td>
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<td>G1594175</td>
<td>LB</td>
<td>0.375</td>
<td>170 gm</td>
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</tbody>
</table>

Equipment Recommendations

- Single Stage Reg. Series 3610A-705
- LB Regulator Series 3570-180
- Manual Control Valve 61A-705
- Tee Purge 4754-705
- Detector Tube 8014-222S
- Cyl. Valve Wrench TW-2**

A Certificate of Conformance will be provided on request.
*Equipped with a goose neck eductor tube.
**Except LB