1,3 Butadiene

C₄H₆

Section B – Pure Gases

Transportation Information

<table>
<thead>
<tr>
<th>UN Number: 1010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shipping Name: Butadienes, Stabilized</td>
</tr>
<tr>
<td>Hazard Class: 2.1</td>
</tr>
<tr>
<td>Label: Flammable Gas</td>
</tr>
</tbody>
</table>

UN Number: 1010
Shipping Name: Butadienes, Stabilized
Hazard Class: 2.1
Label: Flammable Gas

General Description
Colorless, flammable, liquefied gas with a mildly aromatic odor.

<table>
<thead>
<tr>
<th>Product/Grade</th>
<th>Purity</th>
<th>Part Number</th>
<th>Cylinder</th>
<th>H₂O</th>
<th>Butadiene</th>
<th>Butenes</th>
<th>Sulfur</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemically Pure (CP), 2.0 99.0 wt% (liquid phase)</td>
<td>BD 2.0</td>
<td>FX/FXS,LPS</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td></td>
</tr>
</tbody>
</table>

Concentrations given are ppm by volume unless otherwise specified. Maximum ppm unless otherwise noted.

(*) FXS cylinders include eductor tube.

Cylinders

<table>
<thead>
<tr>
<th>Cylinder Type</th>
<th>Style</th>
<th>Size in (cm)</th>
<th>Connection</th>
<th>Pressure psig (bar)</th>
<th>Volume lbs (kgs)</th>
<th>Gross Weight lb (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FX/FXS</td>
<td>Low Pressure Steel</td>
<td>45 x 15 (114.3 x 38.1)</td>
<td>CGA</td>
<td>21.4 (1.48)</td>
<td>129 (58.5)</td>
<td>203 (92)</td>
</tr>
<tr>
<td>LP5</td>
<td>Low Pressure Steel</td>
<td>17.7 x 12 (44.8 x 30.5)</td>
<td>CGA</td>
<td>21.4 (1.48)</td>
<td>25 (11.36)</td>
<td>45 (20.45)</td>
</tr>
</tbody>
</table>

Equipment Recommendations

See Section D for additional information on Praxair products for the Hydrocarbon Processing Industry (pages D-175 - D-184).

Due to extreme reactivity and tendency to polymerize, 1,3-Butadiene is shipped with an inhibitor.

2002 Series – High Purity Economical Regulator
(see page E-257)