Nitrous Oxide (Medical)

Medical Nitrous Oxide USP is a colorless anesthetic gas, with a slightly sweetish odor and taste. It is about one and a half times as heavy as air. Nitrous Oxide is nonflammable, but it is an oxidizer and will support combustion of flammable materials. Nitrous Oxide is not life supporting and can act as an asphyxiant by displacing air.

**Description**

Formula: N₂O
Synonyms: Nitrogen Monoxide, Dinitrogen Monoxide, Laughing Gas

**Gas Data**

Molecular Weight: 44.01
Density: 1.947 kg/m³ @ 21.1°C, 101.325 kPa
          0.1215 lb/ft³ @ 70°F, 14.696 psia
Specific Volume: 0.5136 m³/kg @ 21.1°C, 101.325 kPa
          8.230 ft³/lb @ 70°F, 14.696 psia

**Shipping Information**

CAS Registry Number: 10024-97-2
UN Number: UN 1070
ECCN Number: EAR99
DOT Proper Shipping Name: Nitrous Oxide
DOT Classification: 2.2 (Nonflammable Gas)
DOT Label: NON-FLAMMABLE GAS, OXIDIZER
TC Shipping Name: Nitrous Oxide, Compressed
TC Classification: 2.2, 5.1
TC Label: NON-FLAMMABLE GAS, NON-POISONOUS GAS, OXIDIZER

**Cylinder Specifications**

<table>
<thead>
<tr>
<th>Cylinder Size</th>
<th>Content</th>
<th>Valve Outlet CGA No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Pounds</td>
<td>Liters</td>
</tr>
<tr>
<td>G</td>
<td>56 lbs</td>
<td>13,800</td>
</tr>
<tr>
<td>M</td>
<td>30 lbs 10 oz</td>
<td>7,447</td>
</tr>
<tr>
<td>E</td>
<td>6 lbs 7 oz</td>
<td>1,532</td>
</tr>
<tr>
<td>D</td>
<td>3 lbs 13 oz</td>
<td>883</td>
</tr>
</tbody>
</table>

*Our packaging of gases includes a complete range of cylinder sizes, cylinder cradles (6 and 12 packs), tube trailers, microbulk and bulk.*

*We can handle virtually any size requirement, from a customer using 1 or 2 cylinders per year, to customers using millions of cubic feet of product monthly.*