Nitrogen Dioxide NO₂
Synonyms: Dinitrogen Tetroxide, Nitrogen Peroxide

Physical Constants of Gas
Molecular Weight ........................................ 46.005
Specific Volume ................................. 4.7 CF/lb. (0.29 m³/kg)
Boiling Point .............................. 70.1°F (21.2°C) 1 atm
Gas Density 70°F 1 atm ...................... 3.4 kg/m³

Cylinder Data
CGA Valve Outlet ......................... 660

Shipping Data
Shipping Class ................................................. 200
DOT/TC Name .................. Dinitrogen Tetroxide
DOT Class .... 2.3 (Poisonous Gas) Hazard Zone A
TC Class .............. 2.3 (5.1) (8) Toxic Gas (Oxidizer)
( Corrosive)
WHMIS Class ................ ACD1AD2B
DOT Label ........ Poison Gas, Oxidizer, Corrosive
CAS Registry No. .......................... 10102-44-0
UN No./IATA No. ................. UN1067

Safety Information
Poisonous liquid and gas.
Can cause severe lung damage.
Can cause eye and skin burns.
Symptoms of exposure may be delayed.
Vigorously accelerates combustion.
May be fatal if inhaled.

Specifications

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<tr>
<th>Grade</th>
<th>Purity (Minimum)</th>
<th>Size</th>
<th>Contents</th>
<th>Pressure</th>
<th>Weight</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>lbs.</td>
<td>kg</td>
<td>psig</td>
</tr>
<tr>
<td>CHEMGAZ 1</td>
<td>99% Liquid Phase</td>
<td>44</td>
<td>118</td>
<td>54</td>
<td>0</td>
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Recommended Equipment

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<td>Q1-40S Series</td>
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Our SCOTT™ gas delivery equipment is guaranteed to preserve the purity and integrity of your gas. See page 261.