Nitrogen Trifluoride (NF₃) is an odorless, colorless, noncombustible, oxidizing gas.

**Purity Specifications**

<table>
<thead>
<tr>
<th>% Purity</th>
<th>O₂ + Ar</th>
<th>N₂</th>
<th>CF₃</th>
<th>CO</th>
<th>CO₂</th>
<th>N₂O</th>
<th>SF₆</th>
<th>H₂O</th>
<th>Acidity (HF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>99.995</td>
<td>3</td>
<td>5</td>
<td>40</td>
<td>1</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

Concentrations given are ppm by volume unless otherwise specified.

**Ordering Information**

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>Cylinder Size</th>
<th>Contents</th>
<th>Standard Valve Outlet (DISS)</th>
<th>Product Number</th>
<th>Cylinder Pressure at 70°F (psig)</th>
<th>Description Product Number</th>
<th>Delivery Pressure Range (psig)</th>
<th>Page Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semiconductor</td>
<td>300</td>
<td>50</td>
<td>640</td>
<td>NT SM300DS</td>
<td>1,450</td>
<td>Y12-HP950 * 640</td>
<td>A = 0-25</td>
<td>E28</td>
</tr>
<tr>
<td></td>
<td>200</td>
<td>44</td>
<td>640</td>
<td>NT SM200DS</td>
<td>1,450</td>
<td></td>
<td>B = 0-50</td>
<td></td>
</tr>
</tbody>
</table>

*Insert Delivery Pressure Range Code

Certificate of Analysis included.

**Technical Data & Shipping Information**

- **Molecular Weight**: 71.002
- **Specific Volume**: 5.426 cf/lb @ 70°F
- **Flammability Limits in Air**: Nonflammable
- **U.S. DOT Name**: Nitrogen Trifluoride
- **ID Number**: UN 2451
- **U.S. DOT Hazard Class**: 2.2, (5.1)
- **U.S. DOT Label**: Nonflammable Gas, Oxidizer
- **CAS Registry**: 7883-54-2

**Airgas Quality Policy**

The purpose of the Airgas Quality System is to continually improve our manufacturing and related processes to provide our customers with the highest product purity, consistency, and service.