1,2-Propadiene (Syn: Allene)

CAS # [463-49-0]
Product # 315194

DESCRIPTION: Allene is a clear colorless gas with a characteristic diolefinic odor. It is shipped as a liquified gas under its own vapor pressure of 102 psig at 21.1°C.

USES: Specialty gas mixtures, Organic synthesis and Instrument calibration

TYPICAL PHYSICAL & CHEMICAL PROPERTIES:
- Purity: 98.0% minimum
- Molecular Formula: C3H4
- Molecular Weight: 40.06
- Liquid Density (1.013 bar at boiling point): 0.657.5 g/cm³
- Boiling Point @ 1.013 bar: -34.4°C
- Odor: Characteristic diolefinic order

TYPICAL IMPURITIES:
- Isobutane, n-butane, Propene, Propyne
- Allene contains 0.001% Hydroquinone and 0.01% Butylated Hydroxytoluene (BHT) as stabilizers.

TOXICITY:
The toxicity of Allene has not been fully investigated. It may have slight narcotic properties and act as a simple asphyxiant. Allene should always be handled with adequate ventilation. A safety data sheet (SDS) is available upon request.

SHIPPING CLASS: UN2200 Propadiene, stabilized, 2.1

Safety Data Sheet (SDS): A Safety Data Sheet is available upon request

<table>
<thead>
<tr>
<th>Cylinder Model/Size</th>
<th>Standard Package Size (Kg)</th>
<th>CGA with diptube (liquid withdrawal)</th>
<th>CGA without diptube (vapor withdrawal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture Bottle</td>
<td>0.25</td>
<td>n/a</td>
<td>CGA 180</td>
</tr>
<tr>
<td>5 lb</td>
<td>2.5</td>
<td>CGA 555</td>
<td>CGA 510</td>
</tr>
<tr>
<td>11 lb</td>
<td>5.0</td>
<td>CGA 555</td>
<td>CGA 510</td>
</tr>
<tr>
<td>20 lb</td>
<td>10.0</td>
<td>CGA 555</td>
<td>CGA 510</td>
</tr>
<tr>
<td>100 lb</td>
<td>50.0</td>
<td>CGA 555</td>
<td>CGA 510</td>
</tr>
<tr>
<td>420 lb</td>
<td>200.0</td>
<td>CGA 510</td>
<td>CGA 510</td>
</tr>
</tbody>
</table>

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