Pure Gases

Boron Trichloride

Description
Synonym: Boron Chloride
Formula: BCl₃

Gas Data
Molecular Weight: 117.17
Density: 4.8 kg/m³ @ 21.1°C, 101.325 kPa
0.30 lb/ft³ @ 70°F, 14.696 psia
Specific Volume: 0.21 m³/kg @ 21.1°C, 101.325 kPa
3.3 ft³/lb @ 70°F, 14.696 psia

Shipping Information
CAS Registry Number: 10294-34-5
UN Number: UN 1741
ECN Number: EAR99
DOT Proper Shipping Name: Boron Trichloride
DOT Classification: 2.3, Hazard Zone C (gas poisonous by inhalation)
DOT Label: INHALATION HAZARD
CORROSIVE GAS
TC Shipping Name: Boron Trichloride
TC Classification: 2.3, 8
TC Label: POISON GAS, CORROSIVE GAS

Cylinder Specifications

<table>
<thead>
<tr>
<th>Cylinder Size</th>
<th>Valve Outlet Pressure psig @70°F</th>
<th>Pressure kPa @21.1°C</th>
<th>Approximate Ship Weight lb</th>
<th>Approximate Ship Weight kg</th>
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</table>

Gas Grade Purity Specifications

Boron Trichloride, Research Purity 99.999%
Guaranteed Specifications
- Carbon Dioxide < 2 ppm
- Carbon Monoxide < 0.5 ppm
- Methane < 0.5 ppm
- Nitrogen < 4 ppm
- Oxygen < 1 ppm

Boron Trichloride, Matheson Purity 99.982%
Guaranteed Specifications
- Carbon Monoxide < 1 ppm
- Methane < 1 ppm
- Nitrogen < 5 ppm
- Oxygen < 2 ppm

Boron Trichloride, CP Grade 99.9%

Liquid phase, weight/weight%
A Certificate of Conformance will be provided on request.
*Except LB

WARNING: This product can expose you to chemicals including Carbon Monoxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

www.mathesongas.com