Sulfur Hexafluoride

Description
Formula: $\text{SF}_6$

Gas Data
Molecular Weight: 146.06
Density: 6.3 kg/m$^3$ @ 21.1°C, 101.325 kPa
Specific Volume: 0.16 m$^3$/kg @ 21.1°C, 101.325 kPa

Safety Information
Permissible Exposure Limit (TLV): 1000 ppm

Shipping Information
CAS Registry Number: 2551-62-4
UN Number: UN 1080
ECCN Number: EAR99
DOT Proper Shipping Name: Sulfur Hexafluoride
DOT Classification: 2.2 (Nonflammable Gas)
DOT Label: NON-FLAMMABLE GAS
TC Shipping Name: Sulfur Hexafluoride
TC Classification: 2.2
TC Label: NON-FLAMMABLE GAS, NON-POISONOUS GAS

Cylinder Specifications

<table>
<thead>
<tr>
<th>Cylinder</th>
<th>Valve Outlet CGA No.</th>
<th>Pressure psig @ 70°F</th>
<th>Pressure kPa @ 21.1°C</th>
<th>Approximate Ship Weight lb kg</th>
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<td>2,206</td>
<td>247 112</td>
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<td>2,206</td>
<td>39 18</td>
</tr>
</tbody>
</table>

Gas Grade Purity Specifications

Sulfur Hexafluoride, Research Purity 99.996%
Guaranteed Specifications
Air < 15 ppm
Carbon Tetrafluoride < 30 ppm
Water < 3 ppm

Sulfur Hexafluoride, SFC Purity 99.95%
Guaranteed Specifications
Air < 100 ppmv
Carbon Tetrafluoride < 100 ppmw

Sulfur Hexafluoride, CP Grade 99.8%

Sulfur Hexafluoride, Dielectric Grade 99.9wt%
Guaranteed Specifications
Air < 500 ppmw
Carbon Tetrafluoride < 500 ppmw
Water < 8 ppmw
Acidity as HF < 0.3 ppmw

A Certificate of Lot Analysis will be provided with each cylinder at a nominal charge.
*Except LB

Not for use in pneumatic retinopexy.

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

A Certificate of Conformance will be provided on request.