



## Product Data Sheet

|                           |  |
|---------------------------|--|
| Product:                  | Sulfur Hexafluoride  |
| Name:                     | Sulfur Hexafluoride  |
| Formula:                  | SF <sub>6</sub>  |
| Molecular weight:         | 146.05   |
| Specific volume:          | 0.16 m <sup>3</sup> /kg @ 21° C<br>2.5 ft <sup>3</sup> /lb @ 70° F |
| CAS Registry Number:      | 2551-62-4  |
| UN Number:                | UN 1080  |
| DOT Proper Shipping Name: | Sulfur Hexafluoride  |
| DOT Classification:       | 2.2, Non-flammable Gas   |
| DOT Label:                | NON-FLAMMABLE GAS  |
| Grades:                   | Custom grades available to 99.999%                                 |

### Cylinder Information

| Cylinder Size** | Valve Connection  | Pressure psig@21°C | Content US | Content Metric |
|-----------------|-------------------|--------------------|------------|----------------|
| 44 ltr          | DISS 716, CGA 590 | 305                | 115 lbs    | 52.3 kg        |
| 17 ltr          | DISS 716, CGA 590 | 305                | 35 lbs     | 15.9 kg        |

\*\*SCP fills customer owned cylinders. This is a sample of common cylinder sizes\*\*

**Applications:** Gaseous dielectric for high voltage power, gas density switches, insulated switchgear and circuit breaker, semiconductor (etching of silicon oxides and CVD/PECVD chamber clean), aluminum and magnesium degassing, ultrasound imaging, double pane windows, leak detection.

**Additional information:** Sulfur Hexafluoride (SF<sub>6</sub>) is a colorless, odorless, nonflammable, nonreactive, relatively nontoxic gas which acts as a simple asphyxiant by displacing air. Sulfur Hexafluoride is shipped as a liquefied gas under its own vapor pressure (305 psig @ 21°C).

#### **Specialty Chemical Products, Inc.**

1407 Pennsylvania St.  
South Houston, TX 88587

[www.scptexas.com](http://www.scptexas.com)

Tel: (713) 944-0900  
Fax: (713) 944-1359