

**Marking**

**CAS-Number** 2551-62-4

**Characterization acc. ADR** UN 1080, Sulphur hexafluoride, 2.2 Class 2, 2 A

**Cylinder Marking**

shoulder:  
light green

**Essential properties**

Colourless, odorless, asphyxiant gas, liquified, heavier than air

**Symbols of Risks**

gas, liquified

**Physical Properties**

molecular weight: 146,05 kg/kmol  
 gas density at 0°C and 1,013 bar: 6,626 kg/m<sup>3</sup>  
 density ratio to air: 5,125  
 vapour pressure at 20°C: 21,080 bar

For additional safety information see Material-/safety data sheet No. \*-SF6-110

**Valves / Manifolds**

**Valve connection** acc. to national standards

**Recommended Manifolds** Spectrolab FM 51 / FM 52exact

**Specifications / Cylinders**

		3.0	UHP	
<b>Composition</b>				
SF <sub>6</sub>	>	99,9	99,998	Gew.-%
<b>Impurities</b>				
air gases	<	500	-	ppmw
H <sub>2</sub> O	<	10	2	ppmw
CF <sub>4</sub>	<	500	5	ppmw
HF	<	1	0,1	ppmw
O <sub>2</sub>	<	-	5	ppmv
N <sub>2</sub>	<	-	5	ppmv
<b>Cylinders / Contents</b>				
F 10		10,0	10,0	kg
F 40		-	40,0	kg
F 50		52,0	-	kg

**Remarks**

Applications:  
 Insulating gas in high voltage circuit breakers, switchgear, and other electrical equipment  
 Insulating gas in high voltage supplies of particle accelerators and high voltage transmission electron microscopes  
 Cooling gas in eye surgery (laser treatment)