

**Marking****CAS****Characterization acc. ADR****Cylinder Marking**

2551-62-4  
UN 1080 SULPHUR  
HEXAFLUORIDE, 2.2,(C/E)



Shoulder color: bright green

**Essential properties**

liquefied gas, heavier than air, colorless, odorless

**Symbols of risks**

For additional safety information see safety data sheet \*-SF6-110

**Description**

Colourless, odorless, liquefied gas. Chemically and thermally very stable. At electrical discharges very corrosive and highly toxic decomposition products are generated.

**Materials**

Cylinders and valves: all usual materials

Seals: PTFE, PCTFE, PVDF, PA; PP, IIR, NBR, CR, FKM, Q, EPDM

Physical Properties			
<b>molecular weight</b>	146,05 kg/kmol	<b>vapour pressure at 20 °C</b>	
<b>critical point</b>		<b>gas density at 0 °C and 1,013 bar</b>	6,626 kg/m <sup>3</sup>
temperature	318,700 K	<b>density ratio to air</b>	5,125
Pressure	37,590 bar	<b>gas density at 15 °C and 1 bar</b>	6,180 kg/m <sup>3</sup>
density	0,740 kg/l	<b>conversion factor</b>	
<b>triple point</b>		liquid at Ts to m <sup>3</sup> gas (15 °C, 1 bar)	
temperature	222,35 K	<b>virial coefficient</b>	
Pressure	2,258 bar	Bn at 0 °C	-15,2*10 <sup>-3</sup> bar <sup>-1</sup>
<b>boiling point</b>		B30 at 30 °C	-10,8*10 <sup>-3</sup> bar <sup>-1</sup>
temperature	209,23 K; -63,9 °C	<b>gaseous state at 25 °C and 1 bar</b>	
<b>liquid density</b>	Sublimationspunkt	specific heat capacity cp	0,6580 kJ/kg K
evaporation heat	153,20 kJ/kg	thermal conductivity	135*10 <sup>-4</sup> W/m K
		dynam. viscosity	15,66*10 <sup>-6</sup> Ns/m <sup>2</sup>