

PURE GASES

SULFUR HEXAFLUORIDE SF₆

General Characteristics: A colorless, flammable, liquefied, and odorless gas.
Health Hazards: A simple asphyxiant.

GAS GRADE/PURITY SPEC.	CYLINDER SIZE	CONTENTS	EQUIPMENT RECOMMENDATIONS
VLSI GRADE Min. Purity 99.995%	- See Electronic Gases Section -		
SUPERCritical GRADE Min. Purity 99.99% O ₂ < 10 ppm, H ₂ O < 8 ppm CH ₄ < 1 ppm, N ₂ < 40 ppm CF ₄ < 25 ppm, Organics < 0.1 ppm	AL150	75 lbs	SFC / SFE care package kit, refer to pages 54
	AL30	15 lbs	
INSTRUMENTAL GRADE Min. Purity 99.99% (Liquid Phase)	* Equipped with full length dip tube pressurized with Helium on request.		Single-stage high purity regulator, refer to page 142
			High purity lecture bottle regulator, refer to page 148
	044	66 lbs	
	016	35 lbs	
C.P. GRADE Min. Purity 99.9% (Liquid Phase)	008	22 lbs	
	LB	0.5 lb	
	044	115 lbs	
	044	66 lbs	
	016	35 lbs	
	008	10 lbs	
	LB	0.5 lb	

TECHNICAL INFORMATION

Molecular Weight	146.05	Dot Name	Sulfur Hexafluoride
Specific Volume	2.5CF/lb	UN No.	UN1080
Fire Potential	Nonflammable	Dot Class	2.2
TLV-TWA	1000 ppm (ACGIH 1991-1992)	Dot Label	Nonflammable Gas
CGA Valve	590	Cas Registry	2551-62-4
LB	180	Cylinder Pressure @ 70°F	320 psig

SULFUR TETRAFLUORIDE SF₄

General Characteristics: A colorless, nonflammable, and liquefied gas with a sharp irritating odor.

Health Hazards: Toxi. Irritating to eyes and air passages. Skin contact with the liquid can cause serious burns.

GAS GRADE/PURITY SPEC.	CYLINDER SIZE	CONTENTS	EQUIPMENT RECOMMENDATIONS
C.P. GRADE Min. Purity 98% (Liquid Phase)	008	10 lbs	Stainless-steel high purity single-stage regulator, refer to page 144 Stainless-steel lecture bottle regulator, refer to page 149
	LB	1 lb	

TECHNICAL INFORMATION

Molecular Weight	108.1	Dot Name	Sulfur Tetrafluoride
Specific Volume	3.6CF/lb	UN No.	UN1956
Fire Potential	Nonflammable	Dot Class	2.3
TLV-TWA	0.1 ppm (ACGIH 1991-1992)	Dot Label	Poison Gas
CGA Valve	330	Cas Registry	7783-60-0
LB	180	Cylinder Pressure @ 70°F	140 psig