



Sulfur Dioxide

Description

Formula: SO₂
 Synonym: Sulfurous Acid Anhydride


Gas Data

Molecular Weight: 64.07
 Density: 2.67kg/m³ @ 21.1°C, 101.325 kPa
 0.167 lb/ft³ @ 70°F, 14.696 psia
 Specific Volume: 0.374 m³/kg @ 21.1°C, 101.325 kPa
 5.99 ft³/lb @ 70°F, 14.696 psia

Safety Information

Permissible Exposure Limit (TLV): 2 ppm

Shipping Information

CAS Registry Number: 7446-09-5
 UN Number: UN 1079
 ECCN Number: EAR99
 DOT Proper Shipping Name: Sulfur Dioxide
 DOT Classification: 2.3, Hazard Zone C (gas poisonous by inhalation)
 DOT Label: INHALATION HAZARD  CORROSIVE GAS
 TC Shipping Name: Sulfur Dioxide
 TC Classification: 2.3
 TC Label: POISON GAS

Cylinder Specifications

Cylinder Size	Valve Outlet CGA No.	Pressure psig @ 70°F	Pressure kPa @ 21.1°C	Approximate Ship Weight	
				lb	kg
1J	660	34	237	210	95
1A	660	34	237	232	105
2	660	34	237	114	52
3	660	34	237	54	24
4	660	34	237	27	12
LB	180	34	237	6	3

Gas Grade Purity Specifications	Product Code	Cylinder Size	Content US	Metric	Equipment Recommendations	Model No.	Page No.
Sulfur Dioxide, Anhydrous 99.98%	G1585210	1J	150 lb	68.04 kg	Single-Stage Reg.	Series 3610A-660	316
	G1585201	1A	100 lb	45.36 kg	LB Regulator	Series 3570-180	314
	G1585240	2	40 lb	18.14 kg	Cross Purge	4774-660	422
	G1585250	3	15 lb	6.80 kg	Personal Monitor	IQ250	398
	G1585265	4	5 lb	2.27 kg	Leak Detector	8081A	404
	G1585275	LB	1 lb	454 gm	Detector Tube	8014-103SE	393
					Cyl. Valve Wrench	TW-2*	430
<p><i>Liquid phase, weight/weight%</i> A Certificate of Conformance will be provided on request. By request, all except LB can be furnished with full length eductor tube for liquid withdrawal. *Except LB</p>							
Sulfur Dioxide, Anhydrous w/ Eductor Tube 99.98%	G1585510	1J	150 lb	68.04 kg	Manual Control Valve	61A-660	417
					Personal Monitor	IQ250	398
					Leak Detector	8081A	404
					Detector Tube	8014-103SE	393
					Cyl. Valve Wrench	TW-2	430
<p><i>Liquid phase, weight/weight%</i> A Certificate of Conformance will be provided on request. Note: Recommended regulators are for gas phase withdrawal only.</p>							