



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		Approximate Ship Weight	
		psig @ 70°F	kPa @ 21.1°C	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.
Sulfur Dioxide, Anhydrous 99.98%	G1585210	1J	150 lb	68.04 kg	Single-Stage Reg. LB Regulator Cross Purge Leak Detector Detector Tube Cyl. Valve Wrench	Series 3610A-660
	G1585201	1A	100 lb	45.36 kg		Series 3570-180
	G1585240	2	40 lb	18.14 kg		4774-660
	G1585250	3	15 lb	6.80 kg		8081A
	G1585265	4	5 lb	2.27 kg		8014-103SE
	G1585275	LB	1 lb	454 gm		TW-2*
Sulfur Dioxide, Anhydrous w/ Educator Tube 99.98%	G1585510	1J	150 lb	68.04 kg	Manual Control Valve Leak Detector Detector Tube Cyl. Valve Wrench	61A-660 8081A 8014-103SE TW-2

Liquid phase, weight/weight%

A Certificate of Conformance will be provided on request.

By request, all except LB can be furnished with full length educator tube for liquid withdrawal.

*Except LB

Liquid phase, weight/weight%

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Note: Recommended regulators are for gas phase withdrawal only.

⚠WARNING: This product can expose you to chemicals including Sulfur Dioxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.