



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/ Eductor 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 eductor 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.