

BORON TRIFLUORIDE - (BF₃)

2.5

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| DESCRIPTION : A colorless, toxic, non flammable, corrosive, high-pressure gas. | APPLICATIONS : P-type diffusion in silicon; ion implantation. | ADR Classification : 2, 1 TC |
| | | ADR Label 2.3 Toxic gas Label 8 Corrosive substance |
| | | MSDS REFERENCE : 007 |
| | | CHEMICAL ABSTRACTS : 7637-07-2 |
| | | UN No. : 1008 |

| PRODUCT | | PRESSURE BARG | VALVE TYPE | VALVE OUTLET DIN 477 No | VALVE MATERIALS OF CONSTRUCTION |
|----------|----------|---------------|------------|-------------------------|---------------------------------|
| CYLINDER | CONTENTS | | | | |
| LB/X | 85 g | 56 | Diaphragm | 8 | 316L SS |
| 2H | 420 g | 56 | Diaphragm | 8 | 316L SS |

| PRODUCT CHARACTERISTICS | PRAXAIR SPECIFICATIONS | METHOD OF ANALYSIS (SEE KEY) |
|---|------------------------|------------------------------|
| MINIMUM PURITY | 99.5 %/w | |
| Air (O ₂ + N ₂) | ≤ 4000 ppm/w | C |
| Sulfur Dioxide (SO ₂) | ≤ 15 ppm/w | N |
| Silicon Tetrafluoride (SiF ₄) | ≤ 150 ppm/w | N |

Notes :

- ◆ Cylinder sizes, contents, valve types and valve connections other than those indicated above are available on request.
- ◆ MSDS Ref.: More detailed Safety Information can be obtained from the Material Safety Data Sheet No. 007

| Key to Analytical Techniques | | | |
|------------------------------|--|---|---|
| A | Gas Chromatograph with Thermal Conductivity Detector | D | Specific Oxygen Analyzer |
| B | Gas Chromatograph with Flame Ionization Detector | E | Specific Water Analyzer |
| C | Gas Chromatograph with Ultrasonic Detector | F | Total Hydrocarbon Analyzer |
| | | G | Infrared |
| | | H | Proprietary |
| | | I | Gas Chromatograph with Helium Ionization Detector |
| | | J | Flame Ionization with Methanizer |
| | | K | Gas Chromatograph - Photo Ionization |
| | | L | Gas Chromatograph - Flame Photometric |
| | | M | Mass Spectrometry |
| | | N | Wet Chemical |
| | | O | Gas Chromatograph with Discharge Ionization Detector |
| | | P | Gas Chromatograph with Methanizer Carbonizer |
| | | Q | Gas Chromatograph with Electrolytic Conductivity |
| | | R | Gas Chromatograph with Reduction Gas Analyzer |
| | | S | Gaschromatograph with High Frequency Discharge Detector |

IMPORTANT

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