

BORON TRIFLUORIDE - (B¹¹F₃) _____ B¹¹Enriched 2.7

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	50 g	39	Diaphragm	DIN 8	316L SS
2H	250 g	39	Diaphragm	CGA 330	316L SS

PRODUCT CHARACTERISTICS	PRAXAIR SPECIFICATIONS	METHOD OF ANALYSIS (SEE KEY)
MINIMUM PURITY	99.7 %	M
Nitrogen (N ₂)	≤ 25 ppm	C
Oxygen (O ₂)	≤ 25 ppm	C
Carbon Dioxide (CO ₂)	≤ 25 ppm	C
Sulfur Dioxide (SO ₂)	≤ 25 ppm	N
Hydrogen Fluoride (HF)	≤ 25 ppm	N

Notes :

- ◆ Cylinder sizes, contents, valve types and valve connections other than those indicated above are available on request.
- ◆ All expressions for concentration are for gas phase, by volume unless otherwise noted.
- ◆ 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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**EG 8-2.7
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