AMMONIA - (NH_3) 5.0

DESCRIPTION : A colorless, toxic, flammable, corrosive, liquefied gas shipped at its vapor pressure of 7,9 Barg at 21° C.	**APPLICATIONS** : Chemical vapor deposition of silicon nitride, Si_3N_4.	**ADR Classification** : 2, 2 TC **ADR** Label 8 : Corrosive substance Label 2.3 : Toxic gas **MSDS REFERENCE** : 002 **CHEMICAL ABSTRACTS** : 7664-41-7 **UN No.** : 1005

PRODUCT		PRESSURE BARG	VALVE TYPE	VALVE OUTLET	VALVE MATERIALS OF CONSTRUCTION
CYLINDER	CONTENTS			DIN 477 No	
50H	26,5 kg	7,9	Diaphragm	6	316L SS

PRODUCT CHARACTERISTICS	PRAXAIR SPECIFICATIONS	METHOD OF ANALYSIS (SEE KEY)
MINIMUM PURITY	**99.999 %**	
Carbon Monoxide (CO)	≤ 1 ppm	A/J
Methane (CH_4)	≤ 1 ppm	A/J
Nitrogen (N_2)	≤ 3 ppm	A
Oxygen (O_2)	≤ 2 ppm	A
Water (H_2O)	≤ 3 ppm	G

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. 002

Key to Analytical Techniques

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

EG 1-5.0
08/2003