

# DISILANE - (Si<sub>2</sub>H<sub>6</sub>)

4.0

<b>DESCRIPTION :</b> A colorless, spontaneously flammable gas, shipped at its vapor pressure of 2,7 Barg at 21° C.	<b>APPLICATIONS :</b> Epitaxial deposition of silicon; low temperature chemical vapor deposition of polysilicon, solar cells.	<b>ADR Item No.</b> : 2, 2 F
		<b>ADR</b> Label 2.1 Flammable gas
		<b>MSDS REFERENCE</b> : 050
		<b>CHEMICAL ABSTRACTS</b> : 01590-87-0
		<b>UN No.</b> : 3261

PRODUCT		PRESSURE BARG	VALVE TYPE	VALVE OUTLET DIN 477 No	VALVE MATERIALS OF CONSTRUCTION
CYLINDER	CONTENTS				
5HA	100 g	2,7	Diaphragm	1	316L SS

PRODUCT CHARACTERISTICS	PRAXAIR SPECIFICATIONS	METHOD OF ANALYSIS (SEE KEY)
<b>MINIMUM PURITY</b>	<b>99,99 %</b>	
Water (H <sub>2</sub> O)	≤ 5 ppm	E
Oxygen (O <sub>2</sub> )	≤ 1 ppm	S
Nitrogen (N <sub>2</sub> )	≤ 1 ppm	S
Methane (CH <sub>4</sub> )	≤ 5 ppm	B
Carbon Monoxide (CO)	≤ 1 ppm	S
Carbon Dioxide (CO <sub>2</sub> )	≤ 1 ppm	S
Total chlorides	≤ 0,2 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. 050

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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