



## Disilane. Si<sub>2</sub>H<sub>6</sub>

**Product information** Disilane is a silicon precursor for low temperature and epitaxial thin films.

**Characteristics** Flammable. Colorless gas with strong repulsive odor.

### Physical data

<b>Molecular weight</b>	[g/mol]	62.22		
<b>Boiling point</b>	at 1.013 bar [°C]	-15	at 14.5 psi [°F]	5
<b>Density</b>	at 1.013 bar, 15 °C [kg/m <sup>3</sup> ]	2.97	at 1 atm., 70 °F [lb/ft <sup>3</sup> ]	0.185
<b>Vapor pressure</b>	at 0 °C [bar]	-	at 32 °F [psi]	
	at 20 °C [bar]	3.45	at 70 °F [psi]	50.7
<b>Flammability range in air (% volume)</b>		0.2		

### Shipping information

UN number	CAS number	EC number	DOT label	Hazard labels required
1954 (compressed) 3161 (liquefied)	1590-87-0	216-466-5	Liquefied/ Compressed Gas, Flammable	ADR Class 2.1, 2F DOT Class 2.1

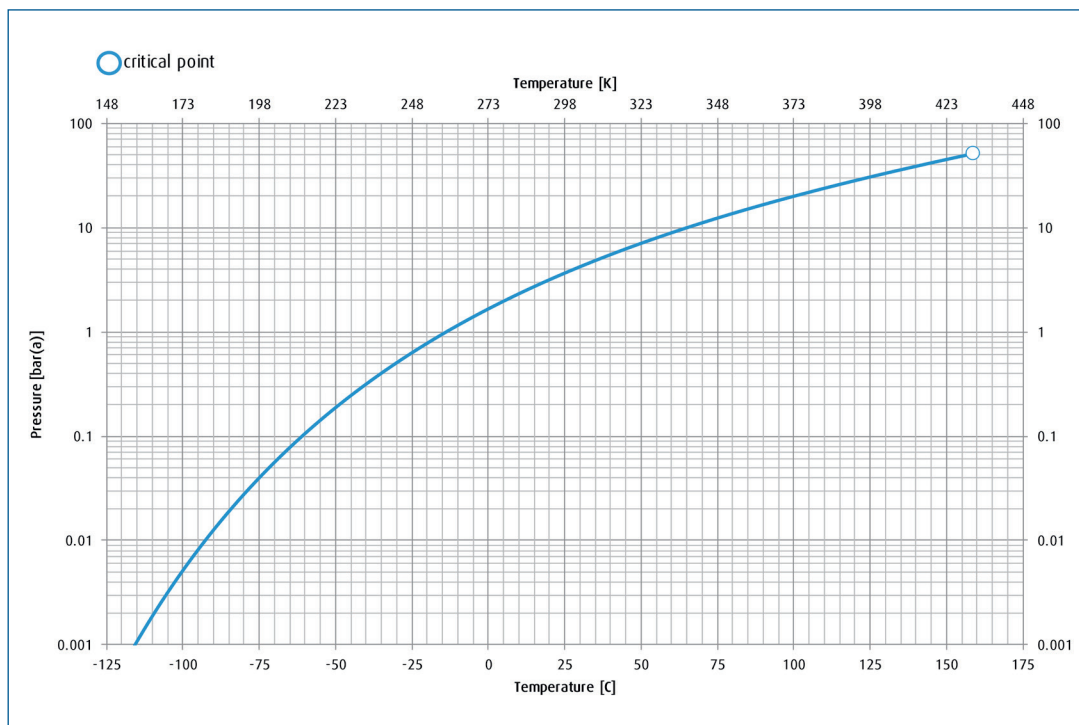
### Product specification

Purity grade	Typical purity (by weight)	Typical impurities								
		Ar+O <sub>2</sub>	N <sub>2</sub>	Siloxanes	Chlorosilanes	THC	Higher Silanes	CO <sub>2</sub>	Moisture	Silane
4.8N	≥99.998 %	≤1	≤2	≤5	≤0.2	≤1	≤50	≤1	≤1	≤1000

→ [Disilane. Product datasheet.](#)

**Packaging information** Please inquire about package size availability.

### Vapor pressure curve



**Additional information** The information, recommendations, and data contained in this publication are intended to give basic guidance for safe handling and use of gases. For more information, please refer to Safety Data Sheets. You can locate these through the [Linde Safety Data Sheet Search](#). It is essential for the safe use of gases that personnel are properly trained and are fully aware of the possible hazards. Further information and advice on any matter relating to the safe handling or use of these products may be obtained from the nearest Linde office.

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