



Hexachlorodisilane (HCDS). Si_2Cl_6

Product information Hexachlorodisilane is a silicon precursor for the low-temperature deposition of thin films.

Characteristics Flammable. Colorless gas with repulsive odor. Forms white fumes at leakage. Mixtures with more than 3% silane ignites spontaneously in air. Gas density is heavier than air.

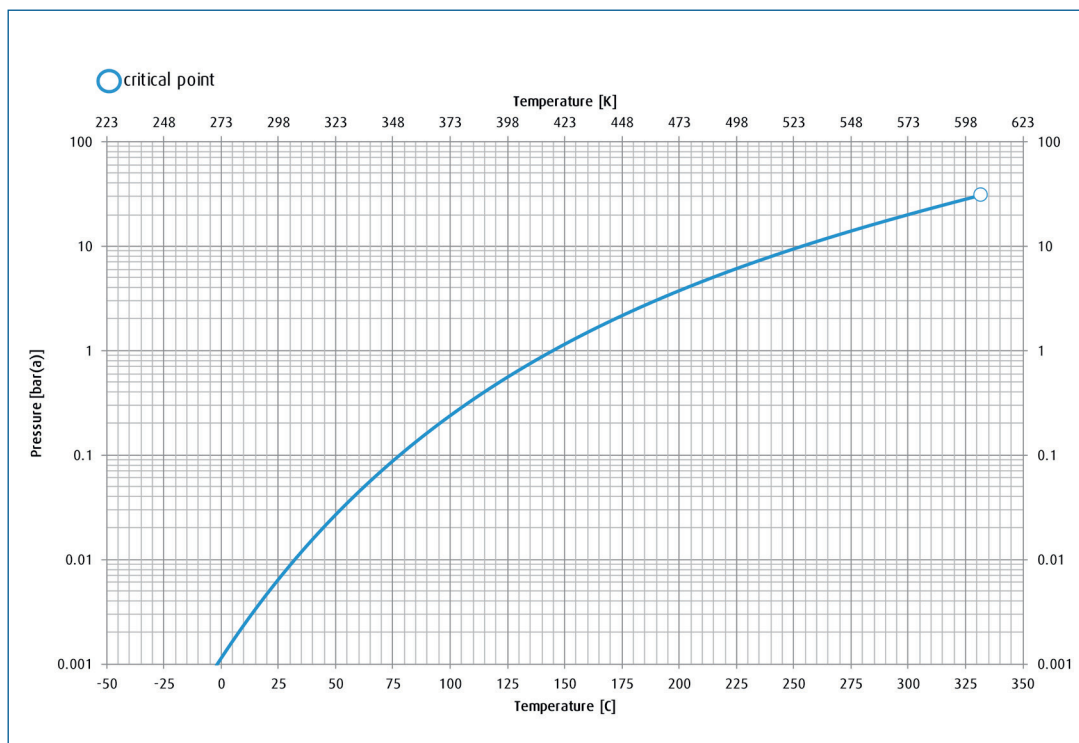
Physical data	Molecular weight	[g/mol]	268.87	
	Boiling point	at 1.013 bar [°C]	144-145	at 14.5 psi [°F]
Density	at 1.013 bar, 25 °C [g/ml]	1.562		
Vapor pressure	at 0 °C [mbar]	-	at 32 °F [Torr]	-
	at 20 °C [mbar]	3.3	at 70 °F [Torr]	47.86
Flammability range in air (% volume)	-			

Product specification	Purity grade	Typical purity	Typical impurities [ppm]									
			Na	Mg	Al	K	Ti	Cr	Mn	Fe	Ni	Cu
2.5N	≥99.5 %	≤50	≤50	≤50	≤50	≤50	≤50	≤50	≤50	≤50	≤50	

Shipping information	UN number	CAS number	EC number	DOT label	Hazard labels required
	2987	13465-77-5	236-704-1	Corrosive	ADR Class 8 DOT Class 8

Package 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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