AIR LIQUIDE
SPECIALTY GASES

Trisilane Si_3H_8

Synonym: Trisilicon Octahydride

Physical Constants of Gas
Molecular Weight 92.32
Specific Volume ..... 0.022 CF/lb. (0.001 m^3/kg)
Boiling Point ..... 127°F (53°C) 1 atm
Gas Density* ..... 3.5 kg/m^3

Cylinder Data
CGA Valve Outlet 350, 632

Shipping Data
Shipping Class 85**
DOT/TC Name ..... Pyrophoric Liquid Inorganic, n.o.s. (Trisilane)
DOT/TC Class ..... 4.2 (Spontaneously Combustible Material)
WHMIS Class ..... Not Determined
DOT Label ..... Spontaneously Combustible
CAS Registry No. 7783-26-8
UN No./IATA No. UN3194

Safety Information
Pyrophoric, flammable liquid.
Flammability limits: please inquire.
Can explode on contact with air.

Specifications									Recommended Equipment	
			Contents		Pressure		Weight			
Grade	Purity (Minimum)	Size	lbs.	grams	psig	bar	lbs.	kg	Description Model Number	Page
Electronic Grade 1	99.99%	30AL	22	10000	5	0.3	33	15	Application Dependent – Please Inquire	—
CH_4 < 2 ppm		7AL	7	3000	5	0.3	10	5		
CO_2 < 2 ppm		3	1	500	5	0.3	5	3		
H_2O < 1 ppm										
N_2 < 5 ppm										
O_2 + Ar < 2 ppm										
SiH_2 < 1000 ppm										
Higher Silanes < 500 ppm										

* At 127°F (53°C).
** Based on NMFC #43940, Sub 2.

We stock SCOTT™ regulators, manifolds, flowmeters, point-of-use panels, cabinets, valves and related equipment.