

Germane GeH₄

Synonyms: Germanium Hydride, Germanium Tetrahydride

Physical Constants of Gas

Molecular Weight 76.62
 Specific Volume 5.05 CF/lb.(0.14 m³/kg)
 Boiling Point -127°F (-88°C) 1 atm
 Gas Density 70°F 1 atm 3.15 kg/m³

Cylinder Data

CGA Valve Outlet 350, 632

Shipping Data

Shipping Class 175
 DOT/TC Name Germane
 DOT Class 2.3 (Poison) Hazard Zone B
 TC Class 2.3 (2.1) Toxic Gas (Flammable Gas)
 WHMIS Class AB6D1A
 DOT Label Poison Gas, Flammable
 CAS Registry No. 7782-65-2
 UN No./ATA No. UN2192

Safety Information

Poison and flammable gas.
 Flammability limits: lower 2%; upper 98%.
 Symptoms may be delayed.
 May ignite on contact with air.
 May be fatal if inhaled.

Specifications									Recommended Equipment	
Grade	Purity (Minimum)	Size	Contents		Pressure		Weight		Description Model Number	Page
			lbs.	kg	psig	bar	lbs.	kg		
Electronic Grade 1 CO ₂ < 2 ppm Ge ₂ H ₆ < 20 ppm Ge ₃ H ₈ < 2 ppm H ₂ < 60 ppm H ₂ O < 1 ppm N ₂ < 2 ppm O ₂ < 1 ppm THC < 1 ppm	99.99%	16AL 7AL	1 0.3	0.5 0.1	118 65	8 5	33 17	15 8	Application Dependent – Please Inquire	—

Most SCOTT™ gas handling and distribution equipment is available for same-day shipping.