



GERMANE

A flammable, toxic, colorless gas used for the deposition of epitaxial and amorphous silicon - germanium alloys, and as a component for PECVD of $(Si,Ge)O_2$ films with controllable refractive index for photonic applications.

$\begin{array}{l} \textbf{UHP GRADE - 99.998 vol. \% min.} \\ (excluding Ge_2H_6 and H_2) \end{array}$

	S PHASE PURITY	MAXIMUM CONCENTRATION	GAS PHASE IMPURITY	MAXIMUM CONCENTRATION
	CH ₄	1 ppmv	O ₂ + Ar	0.5 ppmv
	H ₂ O	1 ppmv	H ₂	50 ppmv
	N_2	2 ppmv	Germoxanes	5 ppmv
	CO ₂	2 ppmv	Chlorogermanes	5 ppmv
(Ge₂H ₆	20 ppmv	CO	1 ppmv
			Ge ₃ H ₈	1 ppmv

ORDERING INFORMATION

CYLINDER SIZE*	CONTENTS (grams)	GROSS WEIGHT (kgs)	CAS Number Pressure @ 21.1°C	7782-65-2 ~180 psig
49	2,600	63	Valve Outlet**	CGA-350 or 632
30	1,500	24	DOT Class (Label)	2.3 (Toxic Gas, Flammable Gas)
16	850	22	UN Number	2192
6	300	8	DOT Shipping Name	Germane
			Toxic Inhalation Hazard	Zone B

* Other cylinder sizes are available - please inquire.

** DIN Outlet is also available

TECHNICAL INFORMATION

2
6 l/g
4°C
)
4
4

SYNONYMS Germanium hydride, germanium tetrahydride, monogermane, germanomethane

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