

BDEAS



Properties: BDEAS is a silicone compound, colorless liquid with a pungent odor. BDEAS is highly reactive and can increase the growth rate of atomic layer deposition at low temperatures. BDEAS has good solubility and can be dissolved in a variety of organic solvents.

Uses: ALD/CVD precursor for silicon-based film deposition.

· Identifier

Chemical Formula	$[(C_2H_5)_2N]_2SiH_2$
CAS No.	27804-64-4
EINECS No.	/

· Physical and chemical properties

Molecular weight	174.36 g/mol	Flash point	>30°C	Reactivity	Highly flammable
Appearance	Colorless liquid	Melting point	<-10°C	Solubility	Insoluble in water Soluble in organic solvent
Density	0.804 g/cm ³	Boiling point	188°C	Storage	Shady and cool, well-ventilated

· Metal impurities

Impurities	Unit	Specification
Al	ppb	≤75
Ca	ppb	≤75
Cu	ppb	≤75
Fe	ppb	≤75
Ga	ppb	≤75
K	ppb	≤75
Li	ppb	≤75
Mg	ppb	≤75
Mn	ppb	≤75
Na	ppb	≤75
Ni	ppb	≤75
Sn	ppb	≤75
Ti	ppb	≤75
Zn	ppb	≤75

VITAL MICRO-ELECTRONICS TECHNOLOGY CO., LIMITED

High Purity Materials Production Plant: No.16, Chuangxing Third Road, Qingyuan, Guangdong China 511517

Tel: 0763-3993123 Fax: (86) 020 - 83511907 Website: www.vitalchem.com

E-mail: semi_sales@vitalchem.com