TEMAH



Properties: Tetrakis(methylethylamino)hafnium is abbreviated as TEMAH, the chemical formula is Zr[CH₃(CH₂)N]₄. It is yellow liquid, soluble in toluene, ethyl acetate and other organic solvents, and reacts violently with water. Highly flammable, need to be stored in a cool, dry, well-ventilated place.

Uses: Precursor to (ALD/CVD) for hafnium-containing thin film deposition; organohafnium metal catalyst synthesis.

· Identifier

· Physical and chemical properties

Chemical Formula	Hf[CH3(CH3CH2)N]4	Molecular weight	410.9 g/mol	Flash point	11℃	Reactivity	Reacts violently with water Highly flammable
CAS No.	352535-01-4	Appearance	yellow liquid	Melting point	<-50℃	Solubility	Soluble in water Soluble in organic solvents
EINECS No.	/	Density	1.324 g/cm ³	Boiling point	79°C (0.1Torr)	Storage	Shady and cool, well-ventilated

· Metal impurities

Impurities	Unit	Specification
Ca	ppb	≤10
Cr	ppb	≤10
Cu	ppb	≤10
Fe	ppb	≤20
Mg	ppb	≤10
Mn	ppb	≤10
Ni	ppb	≤20
V	ppb	≤30
Zn	ppb	≤20

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