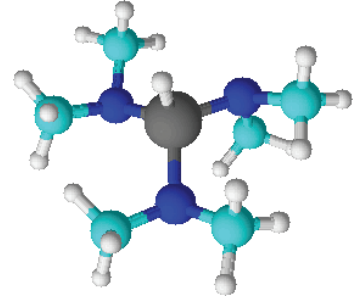


TDMAS Silicon precursor. Product data.



Chemical data Tris[DiMethylAmino]Silane.

Application & handling

- TDMAS is an emerging aminosilane precursor for depositing thin films of silicon oxide or metal silicate at relatively low temperatures through CVD or ALD.
- TDMAS is a colorless liquid that reacts immediately upon contact with water or moisture.
- TDMAS must be delivered in perfectly dry, oxygen-free piping and components to ensure particle-free processing.

Technical data

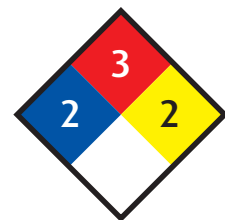
Formula	$[(\text{CH}_3)_2\text{N}]_3\text{SiH}$
Molecular weight	161.32
Boiling point	145°C
Density	0.833 g/ml
Physical characteristics	Liquid (colorless)
Thermal decomposition	N/A
Reactivity	Reacts with water

Shipping information

Proper shipping name	Flammable liquid, n.o.s (Tris(dimethylamino)silane)
CAS no.	15112-89-7
UN no.	1993
Class/division	3
Packaging group	III
Hazard labels required	Class 3 (Flammable)

Hazard rating

Health	2
Flammability	3
Reactivity	2
Special notes	No descriptions



Product information

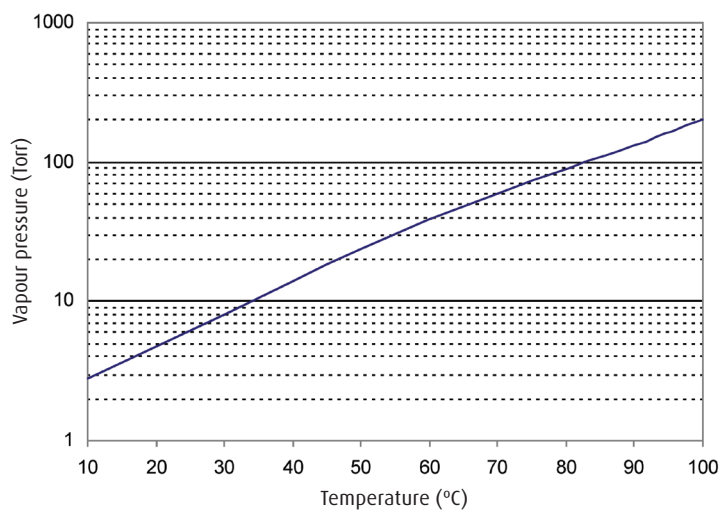
Grade	Up to N6 (99.9999%)
Size	TDMAS can be packaged in canisters of varying size. Contact Linde Electronics for a size suitable for your application.
Container material	EP 316L stainless steel for all wetted parts

Product specification

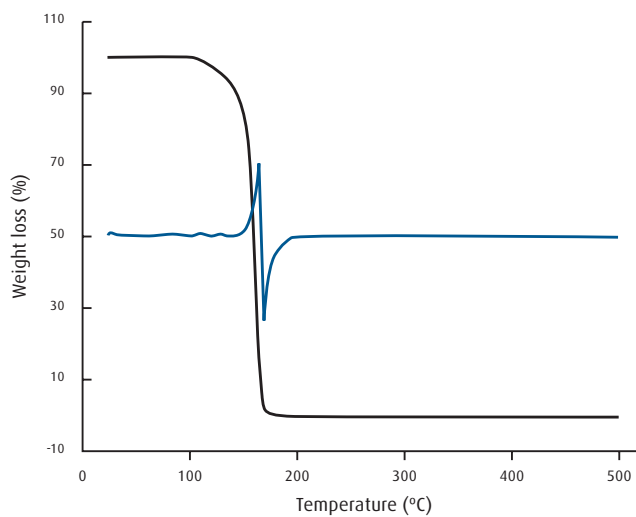
Parameter	Specification
Assay (%)	> 99.0% based on total metallic impurities
Total impurities ppb (excluding Zr)	< 1000 ppb
Particle count (per L)	< 700
Water content (ppm)	Reacts

Contact Linde Electronics for a complete specification

Vapour pressure curve



TG/DTA analysis



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