

'DOCK/ CHEMICALS

SEMICONDUCTORS DECISION

C₁₆H₃₉N₄Nb

Nb Precursor for CVD and ALD application

'TBTDEANb-TERT(BUTYLIMIDO)TRIS(DIETYLAMINO)NIOBIUM

'MO-CVD

MW 380.4 g/mol

PRODUCT DATASHEET

'TBTDEANb- TERT(BUTYLIMIDO)TRIS(DIETHYLAMINO)NIOBIUM

Identification

CAS-No:	210363-27-2
EC-No:	n.r.
EG-Index-No.:	n.r.
Other names:	Tris(diethylamido)(tert-butylimido)niobium Tris(N-ethylethanaminato)[2-methyl-2-propanaminato(2-)]-niobium

'MO-CVD

PHYSICAL PROPERTIES

Vapor pressure:	n.a.
Density:	1.015 g/cm ³
Molweight:	380.4 g/mol
Melting point:	n.a.
Boiling point:	n.a.

CHEMICAL PROPERTIES

Stability:	Stable in sealed corrosion resistant container and stored under dry inert atmosphere.
State of matter:	Liquid

SAFETY & TRANSPORT

Toxicity:	n.a.
Explosion limit Vol%:	n.a.
Auto ignition temp. °C:	n.a.
ADR/RID	
ADR/RID-class:	4.3
UN-no:	3398
IMDG	
IMDG/-class:	4.3
UN-no:	3398
ICAO/IATA	
ICAO/IATA-class:	4.3
UN-no:	3398 – AIR FREIGHT ALLOWED

For further details please refer to Safety Data Sheet (SDS)

PACKAGING & STANDARD FILLING VOLUMES

TBTDEANb.100.DOCK/10.150	100g / 150ccm cyl.
TBTDEANb.350.DOCK/10.400	350g / 400ccm cyl.
TBTDEANb.550.DOCK/10.600	550g / 600ccm cyl.
TBTDEANb.900.DOCK/10.1000	900g / 1000ccm cyl.
TBTDEANb.2700.DOCK/10.3000	2700g / 3000ccm cyl.

QUALITY STANDARDS

DG Development Grade

VAPOR PRESSURE CURVE

n.a.

APPLICATION

ALD and CVD precursor

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PRODUCT DATASHEET

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