‘DOCK/
CHEMICALS
SEMICONDUCTORS DECISION

$C_8H_{24}N_4Ti$

Titanium precursor for CVD & ALD

´TDMATi- TETRAKIS(DIMETHYLAMINO)-TITANIUM

PRODUCT DATASHEET

´MO-CVD

BP: 50 °C / 122 °F (50 mTorr)

´TDMATi- TETRAKIS(DIMETHYLAMINO)TITANIUM

´MO-CVD

IDENTIFICATION

CAS-No:	3275-24-9
EC-No:	221-904-3
Other name:	-

PHYSICAL PROPERTIES

Vapor pressure:	13 Pa (25 °C)
Density:	0.96 g/cm³
Molweight:	224.17 g/mol
Melting point:	<4 °C / <39 °F
Boiling point:	50 °C / 122 °F (50 mTorr)

CHEMICAL PROPERTIES

Stability:	Stable under inert gas
State of matter:	Liquid

SAFETY & TRANSPORT

Toxicity:	Flammable, Water-reactive, Corrosive
Explosion limit Vol%:	n.a.
Auto ignition temp. °C:	n.a.
ADR/RID	
ADR/RID-class:	4.3(8)
UN-no:	3129, PG II
IMDG	
IMDG -class:	4.3(8)
UN-no:	3129, PG II
ICAO/IATA	
ICAO/IATA-class:	4.3(8)
UN-no:	3129, PG II – AIRFREIGHT ALLOWED

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

PACKAGING & STANDARD FILLING VOLUMES

TDMATi.100.DOCK/10.150	100g / 150ccm cyl.
TDMATi.400.DOCK/10.400	400g / 400ccm cyl.
TDMATi.600.DOCK/10.600	600g / 600ccm cyl.
TDMATi.1000.DOCK/10.1000	1000g / 1000ccm cyl
TDMATi.3000.DOCK/10.3000	3000g / 3000ccm cyl.

QUALITY STANDARDS

EG Electronic Grade

VAPOR PRESSURE CURVE

n.a.

APPLICATION

TiN, TiO_2 deposition

'DOCK/
CHEMICALS
SEMICONDUCTORS DECISION

PRODUCT DATASHEET

Dockweiler Chemicals GmbH
Emil-von-Behring-Strasse 76 35041 Marburg Germany
T +49 6421 396 -380 I F +49 6421 396 -381
sales@dockchemicals.com