

'DOCK/ CHEMICALS

SEMICONDUCTORS DECISION



Zirconium precursor for CVD and ALD processes

'TDMACpZr - TRIS(DIMETHYLAMINO)(CYCLOPENTADIENYL)ZIRCONIUM

PRODUCT DATASHEET

'MO-CVD

BP: 94 °C/201 °F at 1.64 mmHg

'TDMACpZr - TRIS(DIMETHYLAMINO)(CYCLOPENTADIENYL)ZIRCONIUM

Identification

CAS-No:	33271-88-4
EC-No:	n.r.
EG-Index-No.:	n.r.
Other name:	-

'MO-CVD

PHYSICAL PROPERTIES

Vapor pressure:	0.6 mmHg at 72 °C
Density:	1.26 g/cm ³ at 25 °C
Molweight:	287.54 g/mol
Melting point:	<0 °C
Boiling point:	94 °C/201 °F at 1.64 mmHg

CHEMICAL PROPERTIES

Stability:	Stable under recommended storage conditions
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:	3399
IMDG	
IMDG -class:	4.3
UN-no:	3399
ICAO/IATA	
ICAO/IATA-class:	4.3
UN-no:	3399 – AIRFREIGHT ALLOWED

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

PACKAGING & STANDARD FILLING VOLUMES

TDMACpZr.100.DOCK/10.150	100g / 150ccm cyl.
TDMACpZr.450.DOCK/10.400	450g / 400ccm cyl.
TDMACpZr.650.DOCK/10.600	650g / 600ccm cyl.
TDMACpZr.1100.DOCK/10.1000	1100g / 1000ccm cyl.
TDMACpZr.3400.DOCK/10.3000	3400g / 3000ccm cyl.

QUALITY STANDARDS

EG Electronic Grade

VAPOR PRESSURE CURVE

n.a.

APPLICATION

ALD and CVD precursor

**'DOCK/
CHEMICALS**

SEMICONDUCTORS DECISION

PRODUCT DATASHEET

Dockweiler Chemicals GmbH

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

www.dockchemicals.com