

DOCK/ CHEMICALS

SEMICONDUCTORS DECISION



Zinc precursor for MOCVD & ALD

MO-CVD

BP: 34 °C / 93 °F (12 Torr)

DTBZn- DITERTIARYBUTYLZINC

PRODUCT DATASHEET

'DTBZn- DITERTIARYBUTYLZINC

IDENTIFICATION

CAS-No:	16636-96-7
EC-No:	-
Other name:	Di-tert-butylzinc

'MO-CVD

PHYSICAL PROPERTIES

Vapor pressure:	ca. 1 hPa (25 °C)
Density:	ca. 1.2 g/cm ³
Molweight:	179.61 g/mol
Melting point:	<10 °C / <50 °F
Boiling point:	34 °C / 93 °F (12 Torr)

CHEMICAL PROPERTIES

Stability:	Stable under inert gas
State of matter:	Liquid

SAFETY & TRANSPORT

Toxicity:	Pyrophoric, Corrosive
Explosion limit Vol%:	Pyrophoric
Auto ignition temp. °C:	Pyrophoric
ADR/RID	
ADR/RID-class:	4.2(4.3)
UN-no:	3394, PG I
IMDG	
IMDG -class:	4.2(4.3)
UN-no:	3394, PG I
ICAO/IATA	
ICAO/IATA-class:	4.2(4.3)
UN-no:	3394, PG I – AIRFREIGHT FORBIDDEN

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

PACKAGING & STANDARD FILLING VOLUMES

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

QUALITY STANDARDS

EG Electronic Grade

VAPOR PRESSURE CURVE

n.a.

APPLICATION

III/V Zn dopant, ZnO, IGZO

**'DOCK/
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