

'DOCK/ CHEMICALS

SEMICONDUCTORS DECISION



Liquid, Safe and Efficient Si-Precursor
for MOVPE

'MO-III/V

BP: 128 °C/262 °F/1013 hPa

'DTBSi-DITERTIARYBUTYLSILANE

PRODUCT DATASHEET

'DTBSi-DITERTIARYBUTYLSILANE

IDENTIFICATION

CAS-No:	30736-07-3
EINECS/ELINCS-No:	not registered
Other names:	Bis(1,1-dimethylethyl)-Silane

'MO-III/V

PHYSICAL PROPERTIES

Vapor pressure equat.:	$\lg p(\text{Torr}) = 7.8869 - 1998/T(\text{K})$
Density:	0.74 g/cm ³
Molweight:	144.3 g/mol
Melting point:	-38 °C/-36 °F
Boiling point:	128 °C/262 °F/1013 hPa

CHEMICAL PROPERTIES

Stability:	Stable under inert gas
State of matter:	Liquid

SAFETY & TRANSPORT

Toxicity:	Not toxic
Explosion limit Vol%:	n.a.
Auto ignition temp. °C:	n.a.
ADR/RID	
ADR/RID-class:	3
UN-no:	1993
IMDG	
IMDG -class:	3
UN-no:	1993
ICAO/IATA	
ICAO/IATA-class:	3
UN-no:	1993 – AIR FREIGHT ALLOWED

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

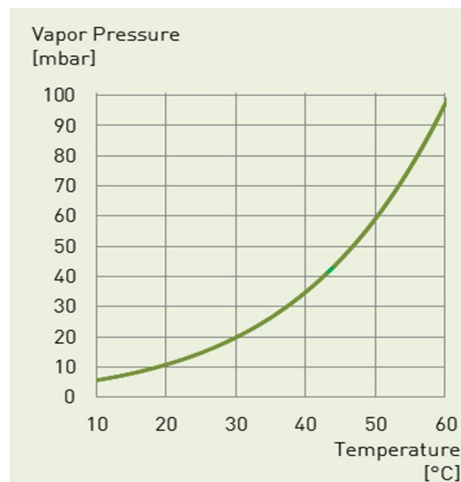
PACKAGING & STANDARD FILLING VOLUMES

DTBSi.225.DOCK/10.400	225g / 400ccm cyl.
DTBSi.700.DOCK/10.1000	700g / 1000ccm cyl.
DTBSi.2000.DOCK/10.3000	2000g / 3000ccm cyl.
DTBSi.2600.DOCK/10.4000	2600g / 4000ccm cyl.

QUALITY STANDARDS

EG Electronic Grade

VAPOR PRESSURE CURVE



APPLICATION

III/V MOCVD dopant
GaAs, InP-based material system
Si-semiconductors, III/V on Si

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PRODUCT DATASHEET

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