

'DOCK/ CHEMICALS

SEMICONDUCTORS DECISION



Bismuth precursor for MOVPE

'MO-III/V

BP: 40 °C / 104 °F (0.1 Torr)

'TTBBi- TRITERTIARYBUTYLBISMUTH

PRODUCT DATASHEET

'TTBBI- TRITERTIARYBUTYLBISMUTH

IDENTIFICATION

CAS-No:	75639-43-9
EC-No:	-
Other name:	Tris(tert-butyl)-bismuth

'MO-III/V

PHYSICAL PROPERTIES

Vapor pressure equat.:	n.a.
Density:	ca. 1.1 g/cm ³
Molweight:	380.32 g/mol
Melting point:	n.a.
Boiling point:	40 °C / 104 °F (0.1 Torr)

CHEMICAL PROPERTIES

Stability:	Stable under inert gas
State of matter:	Liquid

SAFETY & TRANSPORT

Toxicity:	Pyrophoric
Explosion limit Vol%:	Pyrophoric
Auto ignition temp. °C:	Pyrophoric
ADR/RID	
ADR/RID-class:	4.2(4.3)
UN-no:	3392, PG I
IMDG	
IMDG -class:	4.2(4.3)
UN-no:	3392, PG I
ICAO/IATA	
ICAO/IATA-class:	4.2(4.3)
UN-no:	3392, PG I – AIRFREIGHT FORBIDDEN

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

PACKAGING & STANDARD FILLING VOLUMES

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

QUALITY STANDARDS

EG Electronic Grade

VAPOR PRESSURE CURVE

n.a.

APPLICATION

III/V MOVPE

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