

'DOCK/ CHEMICALS

SEMICONDUCTORS DECISION



Bismuth precursor for dilute bismuth
materials systems

'MO-III/V

BP: 110 °C / 230 °F / 1013 hPa

'TMBi-TRIMETHYLBISMUTH

PRODUCT DATASHEET

TMBi-TRIMETHYLBISMUTH

IDENTIFICATION

CAS-No:	593-91-9
EINECS/ELINCS-No:	not registered
Other name:	none

MO-III/W

PHYSICAL PROPERTIES

Vapor pressure equat.:	$\ln p(\text{Pa}) = 20.972 - 3197.86 / (T(\text{K}) - 42.374)$
Density:	2.3 g/cm ³
Molweight:	254.08 g/mol
Melting point:	-86 °C / -122.8 °F
Boiling point:	110 °C / 230 °F

CHEMICAL PROPERTIES

Stability:	Stable under inert gas
State of matter:	Liquid

SAFETY & TRANSPORT

Toxicity:	n.a.
Explosion limit Vol%:	n.a.
Auto ignition temp. °C:	Pyrophoric

ADR/RID

ADR/RID-class:	4.2
UN-no:	3392

IMDG

IMDG -class:	4.2
UN-no:	3392

ICAO/IATA

ICAO/IATA-class:	4.2
UN-no:	3392

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

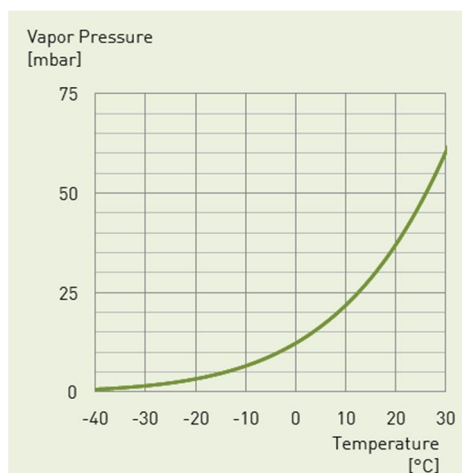
PACKAGING & STANDARD FILLING VOLUMES

TMBi.100.DOCK/10.150	100g / 150ccm cyl.
TMBi.300.DOCK/10.150	300g / 150ccm cyl.
TMBi.800.DOCK/10.400	800g / 400ccm cyl.
TMBi.2000.DOCK/10.1000	2000g / 1000ccm cyl.
TMBi.6000.DOCK/10.3000	6000g / 3000ccm cyl.

QUALITY STANDARDS

EG Electronic Grade

VAPOR PRESSURE CURVE



APPLICATION

Bismuth precursor for dilute bismuth materialsystems

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PRODUCT DATASHEET

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