

'DOCK/ CHEMICALS

SEMICONDUCTORS DECISION



Liquid, Safe and Efficient As-Precursor
for MOVPE

'MO-III/V

BP: 68 °C/154 °F/1013 hPa

'TBAs-TERTIARYBUTYLARSINE

PRODUCT DATASHEET

'TBAs-TERTIARYBUTYLARSINE

IDENTIFICATION

CAS-No:	4262-43-5
EINECS/ELINCS-No:	423-320-6/02-04-01517-00
Other name:	2-Methylpropylarsine

'MO-III/V

PHYSICAL PROPERTIES

Vapor pressure (20 °C):	$\lg p(\text{torr}) = 7.6393 - 1625/T(K)$
Density:	1.08 g/cm ³
Molweight:	133.92 g/mol
Melting point:	-1 °C/32 °F
Boiling point:	68 °C/154 °F/1013 hPa

CHEMICAL PROPERTIES

Stability:	Stable under inert gas
State of matter:	Liquid

SAFETY & TRANSPORT

Toxicity:	Toxic by inhalation
Explosion limit Vol%:	Pyrophoric
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 – AIR FREIGHT FORBIDDEN

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

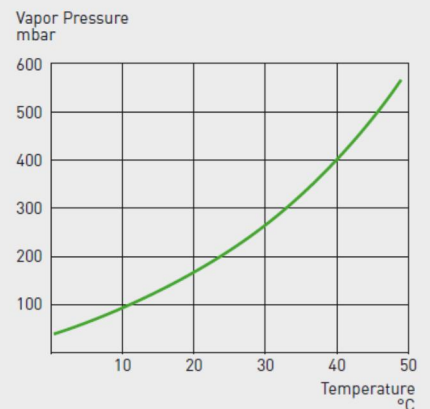
PACKAGING & STANDARD FILLING VOLUMES

TBAs.325.DOCK/100.400	325g / 400ccm cyl.
TBAs.1100.DOCK/100.1300	1100g / 1300ccm cyl.
TBAs.2800.DOCK/100.3150	2800g / 3150ccm cyl.
TBAs.2800.DOCK/100.3200	2800g / 3200ccm cyl.
TBAs.7500.DOCK/100.8000	7500g / 8000ccm cyl.

QUALITY STANDARDS

EPIGRADE™:
Batchwise epi-testing

VAPOR PRESSURE CURVE



APPLICATION

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

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