

# 'DOCK/ CHEMICALS

SEMICONDUCTORS DECISION



Liquid, Safe and Efficient As-Precursor  
for MOVPE

'MO-III/V

BP: 68°C/54°F/1013 hPa

'TBAs - TERTIARYBUTYLARSINE

PRODUCT DATASHEET

# 'TBAs - TERTIARYBUTYLARSINE

## IDENTIFICATION

CAS-No: 4262-43-5  
EINECS/ELINCS-No: 02-04-1517-00  
Other name: 2-Methylpropylarsine

## PHYSICAL PROPERTIES

Vapor pressure equat.:  $\lg p(\text{torr}) = 7.6393 - 1625/T(\text{K})$   
Density  $\text{g}/\text{cm}^3$ : 1.08  
Molweight  $\text{g}/\text{mol}$ : 133.92  
Melting point:  $-1^\circ\text{C}/32^\circ\text{F}$   
Boiling point:  $68^\circ\text{C}/54^\circ\text{F}/1013 \text{ hPa}$

## CHEMICAL PROPERTIES

Stability: stable under inert gas  
Reactivity & handling: pyrophoric

## SAFETY & TRANSPORT

Toxicity: Toxic by inhalation  
Explosion limit Vol%: pyrophoric  
Auto ignition temp.  $^\circ\text{C}$ : pyrophoric  
ADR/RID 2007  
ADR/RID-class: 4.2  
UN-no: 2845  
IMDG Arndt. 33-06  
IMDG/GGVSee-class: 4254  
UN-no: 2845  
ICAO/IATA 2007  
ICAO/IATA-class: 4.2  
UN-no: 2845 - AIR FREIGHT FORBIDDEN  
For further details please refer to Material Safety Data Sheet (MSDS)

## PACKAGING & STANDARD FILLING VOLUMES

TBAs.325.DO100.400: 325g / 400ccm cyl.  
TBAs.1000.DO100.1300: 1000g / 1300ccm cyl.  
TBAs.2800.DO100.3150: 2800g / 3150ccm cyl.  
TBAs.3000.DO100.3200: 3000g / 3200ccm cyl.  
TBAs.7000.DO100.8000: 7000g / 8000ccm cyl.

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DOCKWEILER CHEMICALS GmbH

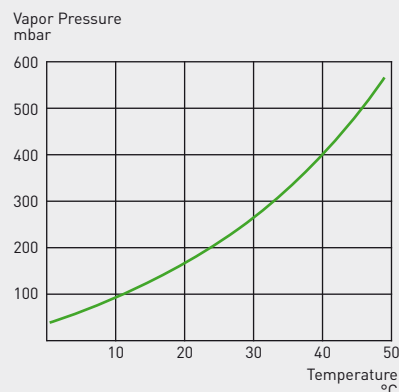
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'MO-III/V

## QUALITY STANDARDS

EG - Electronic Grade  
EPIGRADE™:  
Batchwise epi-testing  
EPIGRADE AC™ (available within 2012)

## VAPOR PRESSURE CURVE



## APPLICATION

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

PRODUCT DATASHEET

www.dockchemicals.com