

'DOCK/ CHEMICALS

SEMICONDUCTORS DECISION



Liquid, Safe and Efficient P-Precursor
for MOVPE

'MO-III/V

BP: 54°C/129°F/1013 hPa

'TBP - TERTIARYBUTYLPHOSPHINE

PRODUCT DATASHEET

'TBP - TERTIARYBUTYLPHOSPHINE

IDENTIFICATION

CAS-No: 2501-94-2
EINECS/ELINCS-No: 02-04-1518-00
Other name: 2-Methylpropylphosphine

PHYSICAL PROPERTIES

Vapor pressure equat.: $\lg p(\text{torr}) = 7.552 - 1529/T(K)$
Density g/cm³: 0.72
Molweight g/mol: 89.97
Melting point: 4°C/39°F
Boiling point: 54°C/129°F/1013 hPa

CHEMICAL PROPERTIES

Stability: stable under inert gas
Reactivity & handling: pyrophoric

SAFETY & TRANSPORT

Toxicity: Toxic by inhalation
Explosion limit Vol%: pyrophoric
Auto ignition temp. °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

TBP.225.DO100.400 225g / 400ccm cyl.
TBP.700.DO100.1300 700g / 1300ccm cyl.
TBP.2000.DO100.3150 2000g / 3150ccm cyl.
TBP.2000.DO100.3200 2000g / 3200ccm cyl.
TBP.5000.DO100.8000 5000g / 8000ccm cyl.

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DOCKWEILER CHEMICALS GmbH

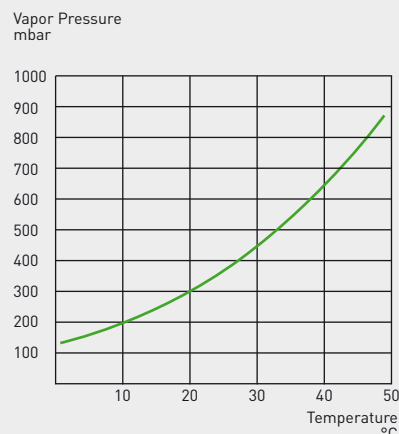
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QUALITY STANDARDS

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