

'DOCK/ CHEMICALS

SEMICONDUCTORS DECISION



Novel, low temperature Al-Precursor for
MOVPE, CVD and ALD applications

'MO-III/V

BP: 65-70 °C/149-158 °F/1013 hPa

'TTBAL-TRITERTIARYBUTYLALUMINUM

PRODUCT DATASHEET

'TTBAL-TRITERTIARYBUTYLALUMINUM

IDENTIFICATION

CAS-No: 4731-36-6
EINECS/ELINCS-No: not registered

'MO-III/V

PHYSICAL PROPERTIES

Vapor pressure equat.: $\log_{10}P(\text{mmHg}) = 5,76 - 1558/T$
Density: ~ 1 g/cm³
Molweight: 198 g/mol
Melting point: 20 °C/68 °F
Boiling point: 65-70 °C/149-158 °F - ~5 mbar

CHEMICAL PROPERTIES

Stability: Stable under inert gas
State of matter: Liquid

SAFETY & TRANSPORT

Toxicity: No data available
Explosion limit Vol%: Pyrophoric compound
Auto ignition temp. °C: Pyrophoric compound
ADR/RID
ADR/RID-class: 4.2
UN-no: 3394
IMDG
IMDG -class: 4.2
UN-no: 3394
ICAO/IATA
ICAO/IATA-class: 4.2
UN-no: 3394 – AIR FREIGHT FORBIDDEN
For further details please refer to Safety Data Sheet (SDS)

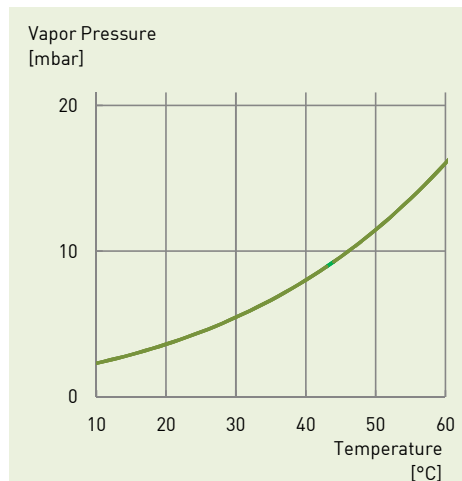
PACKAGING & STANDARD FILLING VOLUMES

TTBAL.100.DOCK/10.150 100g / 150ccm cyl.
TTBAL.350.DOCK/10.400 350g / 400ccm cyl.
TTBAL.900.DOCK/10.1000 900g / 1000ccm cyl.
TTBAL.2800.DOCK/10.3000 2800g / 3000ccm cyl.
TTBAL.7000.DOCK/100.8000 7000g / 8000ccm cyl.

QUALITY STANDARDS

EG Electronic Grade

VAPOR PRESSURE CURVE



APPLICATION

III/V MOCVD
Low temperature CVD, ALD of
Aluminum containing materials

**'DOCK/
CHEMICALS**

SEMICONDUCTORS DECISION

Dockweiler Chemicals GmbH

Emil-von-Behring-Strasse 76 35041 Marburg Germany
T +49 6421 396 -380 | F +49 6421 396 -381
sales@dockchemicals.com

PRODUCT DATASHEET

www.dockchemicals.com