

# 'DOCK/ CHEMICALS

SEMICONDUCTORS DECISION



Low temperature decomposing Boron precursor

'TTBB - TRITERTIARYBUTYLBORON

PRODUCT DATASHEET

'MO-III/V

BP: 181.5 °C/358.7 °F/1013 hPa

# 'TTBB - TRITERTIARYBUTYLBORON

## IDENTIFICATION

<b>CAS-No:</b>	1113-42-4
<b>EC-No:</b>	-
<b>Other name:</b>	Tri-tert-butylborane, Tris(1,1-dimethylethyl)borane

'MO-III/V

## PHYSICAL PROPERTIES

<b>Vapor pressure equat.:</b>	n.a.
<b>Density:</b>	1.198 g/cm <sup>3</sup>
<b>Molweight:</b>	182.15 g/mol
<b>Melting point:</b>	< 0 °C
<b>Boiling point:</b>	181.5 °C/358.7 °F/1013 mbar

## CHEMICAL PROPERTIES

<b>Stability:</b>	Stable under inert gas
<b>State of matter:</b>	Liquid

## SAFETY & TRANSPORT

<b>Toxicity:</b>	n.a.
<b>Explosion limit Vol%:</b>	Pyrophoric
<b>Auto ignition temp. °C:</b>	Pyrophoric
ADR/RID	
<b>ADR/RID-class:</b>	4.2
<b>UN-no:</b>	3392
IMDG	
<b>IMDG -class:</b>	4.2
<b>UN-no:</b>	3392
ICAO/IATA	
<b>ICAO/IATA-class:</b>	4.2
<b>UN-no:</b>	3392 – AIR FREIGHT FORBIDDEN

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

## PACKAGING & STANDARD FILLING VOLUMES

<b>TTBB.100.DOCK/10.150</b>	100g / 150ccm cyl.
<b>TTBB.425.DOCK/10.400</b>	425g / 400ccm cyl.
<b>TTBB.640.DOCK/10.600</b>	640g / 600ccm cyl.
<b>TTBB.1000.DOCK/10.1000</b>	1000g / 1000ccm cyl.
<b>TTBB.3200.DOCK/10.3000</b>	3200g / 3000ccm cyl.

## QUALITY STANDARDS

**EG Electronic Grade**

## VAPOR PRESSURE CURVE

n.a.

## APPLICATION

III/V MOCVD

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### Dockweiler Chemicals GmbH

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

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www.dockchemicals.com