

TERTIARYBUTYLPHOSPHINE

# TBP

 **Product description**

**Name:** TERTIARYBUTYLPHOSPHINE

**CAS-Number:** 2501-94-2

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

**Element:** P

# TERTIARYBUTYLPHOSPHINE

## TBP

### Physical Properties

Vapor pressure equat.:	$\log(p(\text{Torr})) = 7.552 - 1529/T(\text{K})$
Density:	0.72 g/cm <sup>3</sup>
Molweight:	89.97 g/mol
Melting point:	4 °C / 39 °F
Boiling point:	54 °C / 129 °F
Sublimation point:	

### Chemical Properties

Stability:	Stable under inert gas
State of matter:	Liquid

### Safety & Transport

Toxicity:	Toxic by Inhalation
Thermal decomposition:	
ADR/RID-class:	4.2
UN-no:	3392
IMDG-class:	4,1
UN-no:	3392
ICAO/IATA-class:	4,1
UN-no:	3392 - AIR FRIGHT FORBIDDEN

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

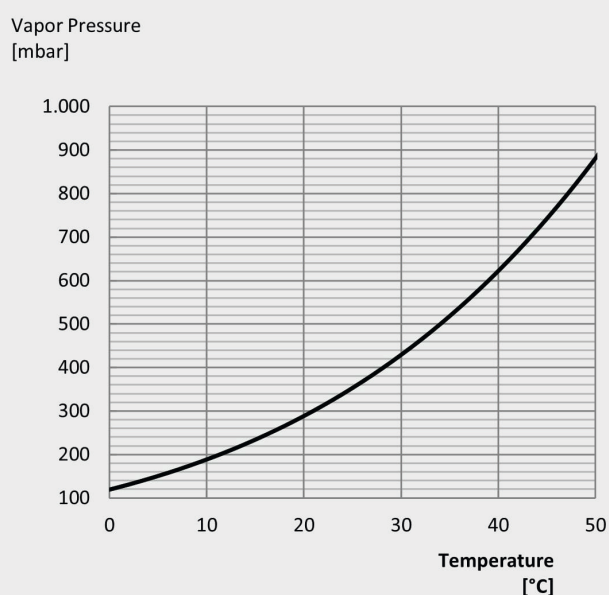
### Packaging & Standard Filling Volumes

TBP.225.DOCK/100.400	225g / 400ccm cyl.
TBP.700.DOCK/100.1300	700g / 1300ccm cyl.
TBP.2000.DOCK/100.3150	2000g / 3150ccm cyl.
TBP.2000.DOCK/100.3200	2000g / 3200ccm cyl.
TBP.5000.DOCK/100.8000	5000g / 8000ccm cyl.

### Quality Standards

EG Electronic Grade, EPIGRADE-  
TM: 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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