

# 'DOCK/ CHEMICALS

SEMICONDUCTORS DECISION



Chlorine precursor as mild and selective etchant for CVD chamber cleaning and selective area deposition

'MO-CVD

BP: 51 °C/124 °F/1013 hPa

'TBCl-TERTIARYBUTYLCHLORIDE

PRODUCT DATASHEET

# TBCL-TERTIARYBUTYLCHLORIDE

## IDENTIFICATION

**CAS-No:** 507-20-0  
**EINECS/ELINCS-No:** 208-066-4  
**Other name:**

MO-CVD

## PHYSICAL PROPERTIES

**Vapor pressure equat.:**  $\log_{10} P[\text{Bar}] = 1.0542 - 110.567 / (T(\text{K}) - 221.514)$   
**Density:** 0.84 g/cm<sup>3</sup>  
**Molweight:** 92.57 g/mol  
**Melting point:** -29 °C / -20 °F  
**Boiling point:** 51 °C / 124 °F / 1013 hPa

## CHEMICAL PROPERTIES

**Stability:** Stable under inert gas  
**State of matter:** Liquid

## SAFETY & TRANSPORT

**Toxicity:** n.a.  
**Explosion limit Vol%:** 1.8 -0  
**Auto ignition temp.:** 540 °C / 1004 °F  
**ADR/RID**  
**ADR/RID-class:** 3  
**UN-no:** 1127  
**IMDG**  
**IMDG -class:** 3  
**UN-no:** 1127  
**ICAO/IATA**  
**ICAO/IATA-class:** 3  
**UN-no:** 1127 – AIR FREIGHT ALLOWED

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

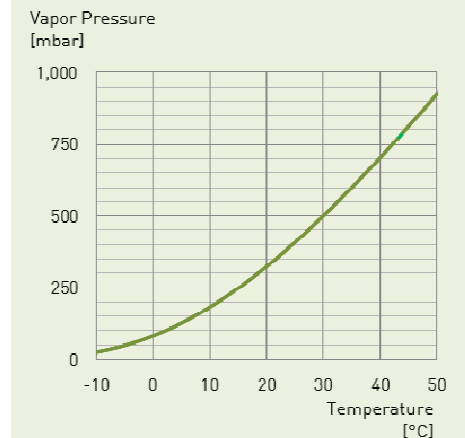
## PACKAGING & STANDARD FILLING VOLUMES

**TBCL.100.DOCK/10.150** 100g / 150ccm cyl.  
**TBCL.300.DOCK/10.400** 300g / 400ccm cyl.  
**TBCL. 750.DOCK/10.1000** 750g / 1000ccm cyl.  
**TBCL. 2250.DOCK/10.3000** 2250g / 3000ccm cyl.  
**TBCL. 3000.DOCK/10.4000** 3000g / 4000ccm cyl.

## QUALITY STANDARDS

**EG Electronic Grade**

## VAPOR PRESSURE CURVE



## APPLICATION

Chlorine source as mild and selective etchant for CVD chamber cleaning and selective area deposition

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