

'DOCK/ CHEMICALS

SEMICONDUCTORS DECISION



Antimony precursor for MOVPE

'MO-III/V

BP: 80 °C/176 °F/1013 hPa

'TMSb - TRIMETHYLANTIMONY

PRODUCT DATASHEET

'TMSb - TRIMETHYANTIMONIDE

IDENTIFICATION

CAS-No:	594-10-5
EC-No:	not registered
Other name:	-

'MO-III/V

PHYSICAL PROPERTIES

Vapor pressure equat.:	$\lg p(\text{Torr}) = 7.7068 - 1697/T(\text{K})$
Density:	1.53 g/cm ³
Molweight:	166.86 g/mol
Melting point:	-87.6 °C/-125.7 °F
Boiling point:	80 °C/176 °F/1013 mbar

CHEMICAL PROPERTIES

Stability:	Stable under inert gas
State of matter:	Liquid

SAFETY & TRANSPORT

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

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

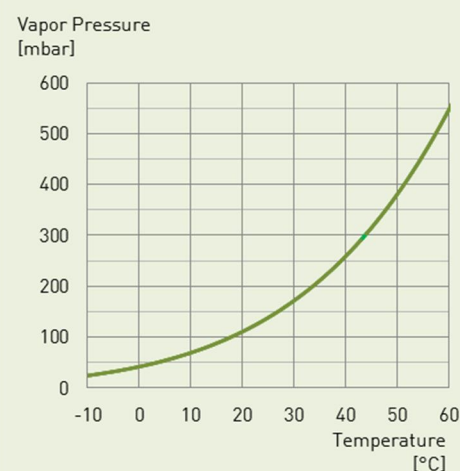
PACKAGING & STANDARD FILLING VOLUMES

TMSb.100.DOCK/10.150	100g / 150ccm cyl.
TMSb.540.DOCK/10.400	540g / 400ccm cyl.
TMSb.800.DOCK/10.600	800g / 600ccm cyl.
TMSb.1300.DOCK/10.1000	1300g / 1000ccm cyl.
TMSb.4000.DOCK/10.3000	4000g / 3000ccm cyl.

QUALITY STANDARDS

EG Electronic Grade

VAPOR PRESSURE CURVE



APPLICATION

III/V MOCVD

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PRODUCT DATASHEET

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