

**'DOCK/  
CHEMICALS**

SEMICONDUCTORS DECISION

$C_4H_{10}Te$

Te Precursor for III/V, II/VI and 2D materials

'MO-III/V

BP: 137 °C/278 °F/1013 hPa

'DETe - DIETHYLTELLURIDE

PRODUCT DATASHEET

# 'DETe - DIETHYLTELLURIDE

## IDENTIFICATION

<b>CAS-No:</b>	627-54-3
<b>EINECS/ELINCS-No:</b>	211-002-8
<b>Other name:</b>	none

'MO-III/V

## PHYSICAL PROPERTIES

<b>Vapor pressure equat.:</b>	$\lg p(\text{Torr}) = 7.99 - 2093/T(\text{K})$
<b>Density:</b>	1.59 g/cm <sup>3</sup>
<b>Molweight:</b>	185.7 g/mol
<b>Melting point:</b>	n.a.
<b>Boiling point (1013 mbar):</b>	137 °C / 278 °F

## CHEMICAL PROPERTIES

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

## SAFETY & TRANSPORT

<b>Toxicity:</b>	Corrosive
<b>Explosion limit Vol%:</b>	n.a.
<b>Auto ignition temp. °C:</b>	n.a.
ADR/RID	
<b>ADR/RID-class:</b>	3
<b>UN-no:</b>	1992
IMDG	
<b>IMDG-class:</b>	3
<b>UN-no:</b>	1992
ICAO/IATA	
<b>ICAO/IATA-class:</b>	3
<b>UN-no:</b>	1992 – AIR FREIGHT ALLOWED

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

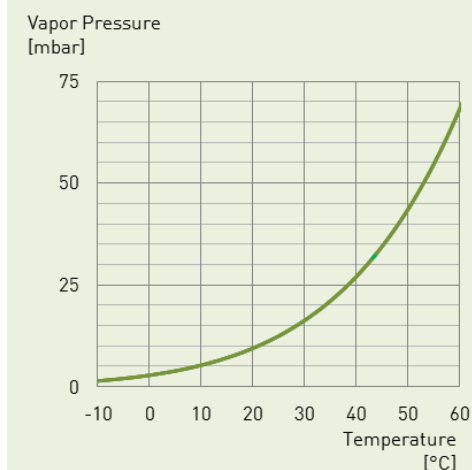
## PACKAGING & STANDARD FILLING VOLUMES

<b>DETe.100.DOCK/10.150</b>	100g / 150ccm cyl.
<b>DETe.200.DOCK/10.150</b>	200g / 150ccm cyl.
<b>DETe.550.DOCK/10.400</b>	550g / 400ccm cyl.
<b>DETe.850.DOCK/10.600</b>	850g / 600ccm cyl.
<b>DETe.1400.DOCK/10.1000</b>	1400g / 1000ccm cyl.

## QUALITY STANDARDS

**EG Electronic Grade**

## VAPOR PRESSURE CURVE



## APPLICATION

Te dopant for III/V

Precursor for II/VI and 2D materials

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