

# 'DOCK/ CHEMICALS

SEMICONDUCTORS DECISION



Standard Zinc precursor for MOVPE

'MO-III/V

BP: 44 °C/111 °F/1013 hPa

'DMZn - DIMETHYLZINC

PRODUCT DATASHEET

# DMZn - DIMETHYLZINC

## IDENTIFICATION

<b>CAS-No:</b>	544-97-8
<b>EC-No:</b>	208-884-1
<b>Other name:</b>	-

MO-III/V

## PHYSICAL PROPERTIES

<b>Vapor pressure equat.:</b>	$\lg p(\text{Torr}) = 7.802 - 1560/T(\text{K})$
<b>Density:</b>	1.386 g/cm <sup>3</sup>
<b>Molweight:</b>	95.45 g/mol
<b>Melting point:</b>	-29 °C/-20 °F
<b>Boiling point:</b>	44 °C/111 °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
<b>ADR/RID</b>	
<b>ADR/RID-class:</b>	4.2
<b>UN-no:</b>	3394
<b>IMDG</b>	
<b>IMDG-class:</b>	4.2
<b>UN-no:</b>	3394
<b>ICAO/IATA</b>	
<b>ICAO/IATA-class:</b>	4.2
<b>UN-no:</b>	3394 – AIR FREIGHT FORBIDDEN

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

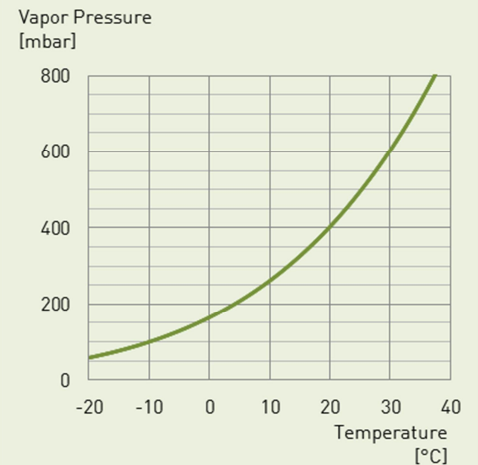
## PACKAGING & STANDARD FILLING VOLUMES

<b>DMZn.100.DOCK/10.150</b>	100g / 150ccm cyl.
<b>DMZn.450.DOCK/10.400</b>	450g / 400ccm cyl.
<b>DMZn.700.DOCK/10.600</b>	700g / 600ccm cyl.
<b>DMZn.1200.DOCK/10.1000</b>	1200g / 1000ccm cyl.
<b>DMZn.3700.DOCK/10.3000</b>	3700g / 3000ccm cyl.

## QUALITY STANDARDS

<b>EG</b>	Electronic Grade
<b>OEG</b>	Opto Electronic Grade

## VAPOR PRESSURE CURVE



## APPLICATION

III/V MOCVD, TCO deposition

**DOCK/  
CHEMICALS**

SEMICONDUCTORS DECISION

### Dockweiler Chemicals GmbH

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

**PRODUCT DATASHEET**

www.dockchemicals.com