

# 'DOCK/ CHEMICALS

SEMICONDUCTORS DECISION



Magnesium dopant for III/V epitaxy

'MO-III/V

BP: 70 °C / 158 °F at 1 Torr

'(MCp)<sub>2</sub>Mg - BIS(METHYLCYCLOPENTADIENYL)MAGNESIUM

PRODUCT DATASHEET

# '(MCp)2Mg - BIS(METHYLCYCLOPENTADIENYL)MAGNESIUM

## IDENTIFICATION

<b>CAS-No:</b>	40672-08-0
<b>EC-No:</b>	635-143-3
<b>Other name:</b>	1,1'-Dimethylmagnesocene

'MO-III/V

## PHYSICAL PROPERTIES

<b>Vapor pressure:</b>	0.25 Torr at 25 °C
<b>Density:</b>	n.a.
<b>Molweight:</b>	182.54 g/mol
<b>Melting point:</b>	<20 °C / <68 °F
<b>Boiling point:</b>	70 °C / 158 °F at 1.0 Torr

## 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[4.3]
<b>UN-no:</b>	3394, PG I
<b>IMDG</b>	
<b>IMDG -class:</b>	4.2[4.3]
<b>UN-no:</b>	3394, PG I
<b>ICAO/IATA</b>	
<b>ICAO/IATA-class:</b>	4.2[4.3]
<b>UN-no:</b>	3394, PG I – AIR FREIGHT FORBIDDEN

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

## PACKAGING & STANDARD FILLING VOLUMES

<b>MCp2Mg.50.DOCK/10.150</b>	50g / 150ccm cyl.
<b>MCp2Mg.100.DOCK/10.150</b>	100g / 150ccm cyl.
<b>MCp2Mg.200.DOCK/10.400</b>	200g / 400ccm cyl.
<b>MCp2Mg.400.DOCK/10.600</b>	400g / 600ccm cyl.
<b>MCp2Mg.600.DOCK/10.1000</b>	600g / 1000ccm cyl.

## QUALITY STANDARDS

**EG Electronic Grade**

## VAPOR PRESSURE CURVE

n.a.

## APPLICATION

p-type dopant for III/V MOCVD

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