

BIS(CYCLOPENTADIENYL)MAGNESIUM

Cp₂Mg

 **Product description**

Name: BIS(CYCLOPENTADIENYL)MAGNESIUM

CAS-Number: 1284-72-6

Application: III/V MOCVD, GaN-based material system, Si-semiconductors, III/V on Si

Element: Mg

BIS(CYCLOPENTADIENYL)MAGNESIUM

Cp₂Mg

Physical Properties

Vapor pressure equat.:	$\log(p(\text{Torr})) = 25.14 - 4198/T(\text{K}) - 2.18\ln(T(\text{K}))$
Density:	1.1 g/cm ³
Molweight:	154.4 g/mol
Melting point:	176 °C / 349 °F
Boiling point:	>300 °C (decomposes)
Sublimation point:	

Chemical Properties

Stability:	Stable under inert gas
State of matter:	Solid

Safety & Transport

Toxicity:	Pyrophoric
Thermal decomposition:	
ADR/RID-class:	4.2
UN-no:	3393, PG I
IMDG-class:	4.2
UN-no:	3393, PG I
ICAO/IATA-class:	4,2
UN-no:	3393, PG I – AIR FREIGHT FORBIDDEN

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

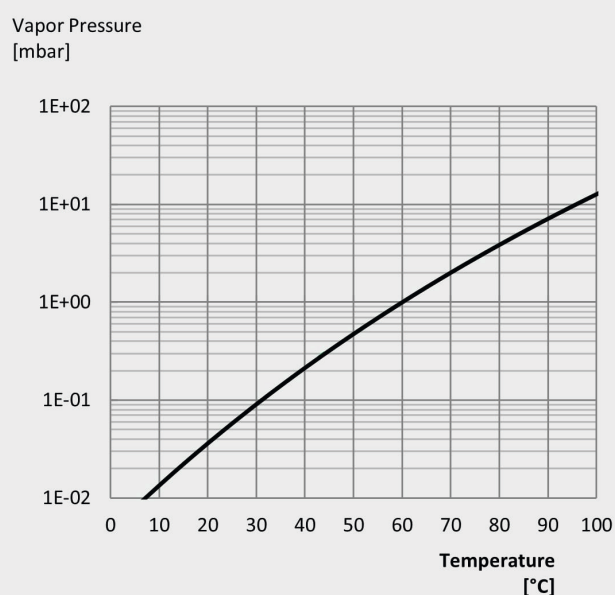
Packaging & Standard Filling Volumes

Cp ₂ Mg.50.DOCK/10.150	50g / 150ccm cyl.
Cp ₂ Mg.100.DOCK/10.150	100g / 150ccm cyl.
Cp ₂ Mg.200.DOCK/10.400	200g / 400ccm cyl.
Cp ₂ Mg.400.DOCK/10.600	400g / 600ccm cyl.

Quality Standards

EG Electronic Grade

Vapor Pressure Curve



Application

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