

**'DOCK/
CHEMICALS**

SEMICONDUCTORS DECISION

C₁₀H₁₀Mn

Manganese precursor for CVD

'MO-CVD

BP: 245 °C / 473 °F (1013 hPa)

'Cp₂Mn- BIS(CYCLOPENTADIENYL)MANGANESE

PRODUCT DATASHEET

Cp₂Mn- BIS(CYCLOPENTADIENYL)MANGANESE

IDENTIFICATION

CAS-No:	73138-26-8
EC-No:	620-873-7
Other name:	Manganocene

MO-CVD

PHYSICAL PROPERTIES

Vapor pressure:	n.a.
Density:	ca. 1.2 g/cm ³
Molweight:	185.13 g/mol
Melting point:	175 °C / 347 °F
Boiling point:	245 °C / 473 °F (1013 hPa)

CHEMICAL PROPERTIES

Stability:	Stable under inert gas
State of matter:	Solid

SAFETY & TRANSPORT

Toxicity:	Flammable
Explosion limit Vol%:	n.a.
Auto ignition temp. °C:	n.a.
ADR/RID	
ADR/RID-class:	4.1
UN-no:	1325, PG II
IMDG	
IMDG -class:	4.1
UN-no:	1325, PG II
ICAO/IATA	
ICAO/IATA-class:	4.1
UN-no:	1325, PG II – AIRFREIGHT ALLOWED

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

PACKAGING & STANDARD FILLING VOLUMES

Cp₂Mn.100.DOCK/10.150	100g / 150ccm cyl.
Cp₂Mn.400.DOCK/10.400	400g / 400ccm cyl.
Cp₂Mn.600.DOCK/10.600	600g / 600ccm cyl.
Cp₂Mn.1000.DOCK/10.1000	1000g / 1000ccm cyl.
Cp₂Mn.3000.DOCK/10.3000	3000g / 3000ccm cyl.

QUALITY STANDARDS

EG Electronic Grade

VAPOR PRESSURE CURVE

n.a.

APPLICATION

Dilute magnetic semiconductors, spintronics

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PRODUCT DATASHEET

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