

DOCK/ CHEMICALS

SEMICONDUCTORS DECISION

C₁₂H₁₄Mn

Manganese precursor for MOCVD

MO-CVD

BP: 85 °C / 185 °F (1 Torr)

(MCp)₂Mn- BIS(METHYLCYCLOPENTADIENYL)
MANGANESE

PRODUCT DATASHEET

1,1'-(MCp)₂Mn- BIS(METHYLCYCLOPENTADIENYL)MANGANESE

IDENTIFICATION

CAS-No:	32985-17-4
EC-No:	208-909-6
Other name:	1,1'-Dimethylmanganocene

1,1'-MO-CVD

PHYSICAL PROPERTIES

Vapor pressure:	n.a.
Density:	ca. 1.2 g/cm ³
Molweight:	213.18 g/mol
Melting point:	62 °C / 144 °F
Boiling point:	85 °C / 185 °F (1 Torr)

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

(MCp)₂Mn.100.DOCK/10.150	100g / 150ccm cyl.
(MCp)₂Mn..400.DOCK/10.400	400g / 400ccm cyl.
(MCp)₂Mn..600.DOCK/10.600	600g / 600ccm cyl.
(MCp)₂Mn..1000.DOCK/10.1000	1000g / 1000ccm cyl
(MCp)₂Mn..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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