

**'DOCK/
CHEMICALS**

SEMICONDUCTORS DECISION



Molybdenum precursor for ALD, CVD

'HEXACARBONYLMOLYBDENUM

PRODUCT DATASHEET

'MO-CVD

HEXACARBONYLMOLYBDENUM

IDENTIFICATION

CAS-No:	13939-06-5
EG-No:	237-713-3
Other name:	Molybdenumhexacarbonyl

MO-CVD

PHYSICAL PROPERTIES

Vapor pressure:	no data available
Density (25°):	1.96 g/cm ³
Molweight:	264 g/mol
Melting point:	150 °C/302 °F
Boiling point:	n.a.

CHEMICAL PROPERTIES

Stability:	Stable under normal storage conditions
State of matter:	Solid

SAFETY & TRANSPORT

Toxicity:	Acute Toxicity
Explosion limit Vol%:	n.a.
Auto ignition temp.:	n.a.
ADR/RID	
ADR/RID-class:	6.1
UN-no:	3288
IMDG	
IMDG -class:	6.1
UN-no:	3288
ICAO/IATA	
ICAO/IATA-class:	6.1
UN-no:	3288 – AIR FREIGHT ALLOWED

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

PACKAGING & STANDARD FILLING VOLUMES

Mo(CO)₆.100.DOCK/10.150	100g / 150ccm cyl.
Mo(CO)₆.200.DOCK/10.150	200g / 400ccm cyl.
Mo(CO)₆.500.DOCK/10.400	500g / 600ccm cyl.
Mo(CO)₆.750.DOCK/10.1000	750g / 1000ccm cyl.
Mo(CO)₆.2500.DOCK/10.3000	2500g / 3000ccm cyl.

QUALITY STANDARDS

EG Electronic Grade

VAPOR PRESSURE CURVE

n.a.

APPLICATION

Deposition of 2D materials

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