'DOCK/
CHEMICALS
SEMICONDUCTORS DECISION

$W(CO)_6$

Tungsten precursor for ALD, CVD

´HEXACARBONYLTUNGSTEN

PRODUCT DATASHEET

´MO-CVD

´´HEXACARBONYLTUNGSTEN

´MO-CVD

IDENTIFICATION

CAS-No:	14040-11-0
EINECS/ELINCS-No:	237-880-2
Other name:	Tungstenhexacarbonyl

PHYSICAL PROPERTIES

Vapor pressure:	1.6 hPa @ 67 °C
Density:	2.65 g/cm³ (25°)
Molweight:	351.9 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 Material Data Sheet (SDS)

PACKAGING & STANDARD FILLING VOLUMES

W(CO)6.100.DOCK/10.150	100g / 150ccm cyl.
W(CO)6.250.DOCK/10.150	250g / 150ccm cyl.
W(CO)6.700.DOCK/10.400	700g / 400ccm cyl.
W(CO)6.1800.DOCK/10.1000	1800g / 1000ccm cyl.
W(CO)6.5500.DOCK/10.3000	5500g / 3000ccm cyl.
W(CO)6.15000.DOCK/100.8000	15000g / 8000ccm cyl.

QUALITY STANDARDS

EG **Electronic Grade**

VAPOR PRESSURE CURVE

n.a.

APPLICATION

Deposition of 2D materials.

'DOCK/
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PRODUCT DATASHEET

Dockweiler Chemicals GmbH
Emil-von-Behring-Strasse 76 35041 Marburg Germany
T +49 6421 396 -380 I F +49 6421 396 -381
sales@dockchemicals.com