

'DOCK/ CHEMICALS

SEMICONDUCTORS DECISION



Cd- Precursor for II/VI deposition and 2D materials

BP: 105 °C/222 °F/1013 hPa

'MO-II/VI

'DMCd-DIMETHYLCADMIUM

PRODUCT DATASHEET

'DMCd-DIMETHYLCADMIUM

IDENTIFICATION

CAS-No:	506-82-1
EINECS/ELINCS-No:	not registered
Other names:	none

'MO-II/VI

PHYSICAL PROPERTIES

Vapor pressure equat.:	38 mbar (20 °C/68 °F)
Density:	1.98 g/cm ³
Molweight:	142.48 g/mol
Melting point:	-4.5 °C/24 °F
Boiling point:	105 °C/222 °F/1013 hPa

CHEMICAL PROPERTIES

Stability:	Not to exceed 100 °C/212 °F
State of matter:	Liquid

SAFETY & TRANSPORT

Toxicity:	Toxic
Explosion limit Vol%:	n.a.
Auto ignition temp. °C:	Pyrophoric compound
ADR/RID	
ADR/RID-class:	4.2
UN-no:	3394
IMDG	
IMDG-class:	4.2
UN-no:	3394
ICAO/IATA	
ICAO/IATA-class:	4.2
UN-no:	3394 – AIR FREIGHT FORBIDDEN

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

PACKAGING & STANDARD FILLING VOLUMES

DMCd.100.DOCK/10.150	100g / 150ccm cyl.
DMCd.250.DOCK/10.150	250g / 150ccm cyl.
DMCd.500.DOCK/10.400	500g / 400ccm cyl.
DMCd.700.DOCK/10.400	700g / 400ccm cyl.
DMCd.1750.DOCK/10.1000	1750g / 1000ccm cyl.

QUALITY STANDARDS

EG Electronic Grade

VAPOR PRESSURE CURVE

n.a.

APPLICATION

II/VI deposition
2D materials

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Dockweiler Chemicals GmbH

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

PRODUCT DATASHEET

www.dockchemicals.com