

**'DOCK/
CHEMICALS**

SEMICONDUCTORS DECISION

$\text{Ru}(\text{EtCp})_2$

Ruthenium Precursor for CVD application

'MO-CVD

BP: 100 °C/212 °F/1013 hPa

'BIS(ETHYLCYCLOPENTADIENYL)RUTHENIUM(II)

PRODUCT DATASHEET

'BIS(ETHYLCYCLOPENTADIENYL)RUTHENIUM(II)

IDENTIFICATION

CAS-No:	32992-96-4
EINECS/ELINCS-No:	not registered
Other names:	none

'MO-CVD

PHYSICAL PROPERTIES

Vapor pressure:	n.a.
Density:	1.34 g/cm ³
Molweight:	287.22 g/mol
Melting point:	6 °C
Boiling point:	100 °C/212 °F/1013 hPa

CHEMICAL PROPERTIES

Stability:	Stable under inert gas
State of matter:	Liquid

SAFETY & TRANSPORT

Toxicity:	Not toxic
Explosion limit Vol%:	n.a.
Auto ignition temp. °C:	n.a.
ADR/RID	
ADR/RID-class:	not regulated
UN-no:	n.a.
IMDG	
IMDG-class:	not regulated
UN-no:	n.a.
ICAO/IATA	
ICAO/IATA-class:	not regulated
UN-no:	n.a. – AIR FREIGHT ALLOWED

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

PACKAGING & STANDARD FILLING VOLUMES

Ru(EtCp)2.50.DOCK/10.150	50g / 150ccm cyl.
Ru(EtCp)2.100.DOCK/10.150	100g / 150ccm cyl.
Ru(EtCp)2.200.DOCK/10.400	200g / 400ccm cyl.
Ru(EtCp)2.400.DOCK/10.600	400g / 600ccm cyl.
Ru(EtCp)2.750.DOCK/10.1000	750g / 1000ccm cyl.

QUALITY STANDARDS

EG Electronic Grade

VAPOR PRESSURE CURVE

n.a.

APPLICATION

III/V MOCVD dopant – semi insulating InP

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PRODUCT DATASHEET

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