

DOCK/ CHEMICALS

SEMICONDUCTORS DECISION



Scandium precursor for MOVPE & ALD

(MCp)₂ScCl- BIS(METHYLCYCLOPENTADIENYL)-
SCANDIUMCHLORIDE

PRODUCT DATASHEET

MO-III/V

Sublimation: 160 °C / 320 °F (1 mTorr)

$(\text{MCp})_2\text{ScCl}$ - BIS(METHYLCYCLOPENTADIENYL)- SCANDIUMCHLORIDE

IDENTIFICATION

CAS-No:	2226370-60-9
EC-No:	-
Other name:	-

MO-III/V

PHYSICAL PROPERTIES

Vapor pressure:	ca. 20 mTorr (80 °C)
Density:	ca. 1.2 g/cm ³
Molweight:	238.65 g/mol
Melting point:	155 °C / 311 °F
Boiling point:	160 °C / 320 °F (1 mTorr, Sublimation)

CHEMICAL PROPERTIES

Stability:	Stable under inert gas
State of matter:	Solid

SAFETY & TRANSPORT

Toxicity:	Water-reactive
Explosion limit Vol%:	n.a.
Auto ignition temp. °C:	n.a.
ADR/RID	
ADR/RID-class:	4.3
UN-no:	3395, PG II
IMDG	
IMDG -class:	4.3
UN-no:	3395, PG II
ICAO/IATA	
ICAO/IATA-class:	4.3
UN-no:	3395, PG II – AIRFREIGHT ALLOWED

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

PACKAGING & STANDARD FILLING VOLUMES

(MCp)₂ScCl.100.DOCK/10.150	100g / 150ccm cyl.
(MCp)₂ScCl.400.DOCK/10.400	400g / 400ccm cyl.
(MCp)₂ScCl.600.DOCK/10.600	600g / 600ccm cyl.
(MCp)₂ScCl.1000.DOCK/10.1000	1000g / 1000ccm cyl
(MCp)₂ScCl.3000.DOCK/10.3000	3000g / 3000ccm cyl.

QUALITY STANDARDS

EG Electronic Grade

VAPOR PRESSURE CURVE

n.a.

APPLICATION

AlScN, Scandiumoxide ALD

DOCK/ CHEMICALS

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PRODUCT DATASHEET

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