

BIS(METHYLCYCLOPENTADIENYL)SCANDIUM CHLORIDE

(MCp)₂ScCl

 **Product description**

Name: BIS(METHYLCYCLOPENTADIENYL)SCANDIUM CHLORIDE
CAS-Number: 2226370-60-9

Application: AlScN, Scandiumoxide ALD

Element: Sc

BIS(METHYLCYCLOPENTADIENYL)SCANDIUM CHLORIDE

(MCp)₂ScCl

Physical Properties

Vapor pressure equat.:	ca. 0.027 mbar at 80 °C
Density:	ca. 1.2 g/cm ³
Molweight:	238.65 g/mol
Melting point:	155 °C / 311 °F
Boiling point:	n.a.
Sublimation point:	160 °C / 320 °F (0.0013 mbar)

Chemical Properties

Stability:	Stable under inert gas
State of matter:	Solid

Safety & Transport

Toxicity:	Water-reactive
Thermal decomposition:	
ADR/RID-class:	4.3
UN-no:	3395, PG II
IMDG-class:	4,3
UN-no:	3395, PG II
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) ₂ ScCl.100.DOCK/10.150	100g / 150ccm cyl.
(MCp) ₂ ScCl.400.DOCK/10.400	400g / 400ccm cyl.
(MCp) ₂ ScCl.600.DOCK/10.600	600g / 600ccm cyl.
(MCp) ₂ ScCl.1000.DOCK/10.1000	1000g / 1000ccm cyl
(MCp) ₂ ScCl.3000. DOCK/10.3000	10.3000 3000g / 3000ccm cyl.

Quality Standards

DG Development Grade

Vapor Pressure Curve

Application

AlScN, Scandiumoxide ALD



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