SCIENCE DRIVEN SOLUTIONS

$(MCp)_2ScCl$

BIS(METHYLCYCLOPENTADIENYL)SCANDIUM CHLORIDE

Physical Properties

Vapor pressure equat.:	ca. 0.027 mbar at 80 °C
Density:	ca. 1 g/cm³
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 recommended storage conditions
State of matter:	Solid

Safety & Transport

Toxicity:	Flammable, 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)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.

Product Description

Name:	BIS(METHYLCYCLOPENTADIENYL) SCANDIUM CHLORIDE
CAS-Number:	2226370-60-9
Element:	Sc
Molecular Formula:	$C_{12}H_{14}ClSc$

Quality Standards

DG Development Grade

Application

AlScN MOCVD, Sc-Oxides

Vapor Pressure

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