

'DOCK/ CHEMICALS

SEMICONDUCTORS DECISION



Scandium precursor for CVD and ALD processes

'MO-CVD

MP: 240 °C/464 °F

'(Cp)3Sc - TRIS(CYCLOPENTADIENYL)SCANDIUM

PRODUCT DATASHEET

'(Cp)3Sc - TRIS(CYCLOPENTADIENYL)SCANDIUM

IDENTIFICATION

CAS-No:	1298-54-0
EC-No:	215-074-1
Other name:	-

'MO-CVD

PHYSICAL PROPERTIES

Vapor pressure equat.:	$\log(P_{\text{Torr}}) = 11.37 - (5062/T_K)$
Density:	n.a.
Molweight:	240.24 g/mol
Melting point:	240 °C/464 °F
Boiling point:	>400 °C (decomposition)

CHEMICAL PROPERTIES

Stability:	Stable under inert gas
State of matter:	Solid

SAFETY & TRANSPORT

Toxicity:	n.a.
Explosion limit Vol%:	n.a.
Auto ignition temp. °C:	not auto-igniting
ADR/RID	
ADR/RID-class:	4.3
UN-no:	3395
IMDG	
IMDG -class:	4.3
UN-no:	3395
ICAO/IATA	
ICAO/IATA-class:	4.3
UN-no:	3395 – AIR FREIGHT ALLOWED

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

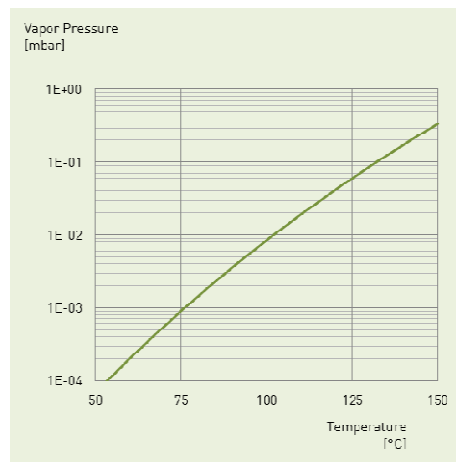
PACKAGING & STANDARD FILLING VOLUMES

Cp3Sc.50.DOCK/10.150	50g / 150ccm cyl.
Cp3Sc.100.DOCK/10.150	100g / 150ccm cyl.
Cp3Sc.250.DOCK/10.400	250g / 400ccm cyl.
Cp3Sc.500.DOCK/10.600	500g / 600ccm cyl.

QUALITY STANDARDS

DG Development Grade

VAPOR PRESSURE CURVE



APPLICATION

AlScN MOCVD, Sc-Oxides

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PRODUCT DATASHEET

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