

'DOCK/ CHEMICALS

SEMICONDUCTORS DECISION



Scandium precursor for CVD and ALD processes

'(TMH)3Sc - TRIS(2,2,6,6-TETRAMETHYL-3,5-HEPTANEDIONATO)SCANDIUM

PRODUCT DATASHEET

'MO-CVD

MP: 150-152 °C/302-305 °F

'(TMH)3Sc - TRIS(2,2,6,6-TETRAMETHYL-3,5-HEPTANEDIONATO)SCANDIUM

IDENTIFICATION

CAS-No:	15492-49-6
EC-No:	n.r.
Other name:	-

'MO-CVD

PHYSICAL PROPERTIES

Vapor pressure equat.:	n.a.
Density:	n.a.
Molweight:	594.77 g/mol
Melting point:	150-152 °C/302-305 °F
Boiling point:	>275 °C (decomposition)

QUALITY STANDARDS

DG Electronic Grade

VAPOR PRESSURE CURVE

n.a.

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:	n.a.
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

APPLICATION

AlScN MOCVD, Sc Oxide deposition

PACKAGING & STANDARD FILLING VOLUMES

(TMH)3Sc.50.DOCK/10.150	50g / 150ccm cyl.
(TMH)3Sc.100.DOCK/10.150	100g / 150ccm cyl.
(TMH)3Sc.250.DOCK/10.400	250g / 400ccm cyl.
(TMH)3Sc.500.DOCK/10.600	500g / 600ccm cyl.

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PRODUCT DATASHEET

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