SCIENCE DRIVEN SOLUTIONS

$Nb(tmhd)_4$

Tetrakis(2,2,6,6-tetramethyl-3,5-heptanedionato)niobium(IV)

Physical Properties

Vapor pressure equat.:	n.a.
Density:	ca. 0.5 g/cm³
Molweight:	826.00 g/mol
Melting point:	210 - 220 °C / 410 – 428 °F
Boiling point:	n.a.
Sublimation point:	

Chemical Properties

Stability:	Stable under recommended storage conditions
State of matter:	Solid

Safety & Transport

Toxicity:	Skin/eye corrosion, May cause respiratory irritation
Thermal decomposition:	
ADR/RID-class:	no dangerous good
UN-no:	no dangerous good
IMDG-class:	no dangerous good
UN-no:	no dangerous good
ICAO/IATA-class:	no dangerous good
UN-no:	no dangerous good - AIRFREIGHT ALLOWED

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

Packaging & Standard Filling Volumes

Nb(tmhd)4.65.DOCK/10.150	65g / 150ccm cyl.
Nb(tmhd)4.90.DOCK/10.200	90g / 200ccm cyl.
Nb(tmhd)4.175.DOCK/10.400	175g / 400ccm cyl.
Nb(tmhd)4.450.DOCK/10.1000	900g / 1000ccm cyl.
Nb(tmhd)4.1350.DOCK/10.3000	1350g / 3000ccm cyl.

Product Description

Name:	Tetrakis(2,2,6,6-tetramethyl-3,5-heptanedionato)niobium(IV)
CAS-Number:	41706-15-4
Element:	Nb
Molecular Formula:	$C_{44}H_{76}O_8Nb$

Quality Standards

DG Development Grade

Application

ALD and CVD Precursor

Vapor Pressure

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