

TDMAHf

TETRAKIS(DIMETHYLAMIDO)HAFNIUM

Physical Properties

Vapor pressure equat.:	$\log(p(\text{Torr})) = 9.99 - 3377/T(\text{K})$
Density:	1.4 g/cm ³
Molweight:	354.79 g/mol
Melting point:	26-29 °C / 79-84 °F
Boiling point:	60 °C / 140 °F (0.01 mBar)
Sublimation point:	

Chemical Properties

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

Safety & Transport

Toxicity:	Flammable, Water-reactive, Skin/eye corrosion
Thermal decomposition:	
ADR/RID-class:	4.3(4.1)
UN-no:	3396, PG II
IMDG-class:	4.3(4.1)
UN-no:	3396, PG II
ICAO/IATA-class:	4.3(4.1)
UN-no:	3396, PG II – AIRFREIGHT ALLOWED

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

Packaging & Standard Filling Volumes

TDMAHf.100.DOCK/10.150	100g / 150ccm cyl.
TDMAHf.450.DOCK/10.400	450g / 400ccm cyl.
TDMAHf.1100.DOCK/10.1000	1100g / 1000ccm cyl.
TDMAHf.3300.DOCK/10.3000	3300g / 3000ccm cyl.
TDMAHf.4400.DOCK/10.3950	4400g / 3950ccm cyl.

Product Description

Name:	TETRAKIS(DIMETHYLAMIDO)HAFNIUM
CAS-Number:	19782-68-4 (19962-11-9)
Element:	Hf
Molecular Formula:	C ₈ H ₂₄ N ₄ Hf

Quality Standards

EG Electronic Grade

Application

Tetrakisdimethylamidohafnium (TDMAHf) is a solid chemical source suitable for the chemical vapor deposition of Hafnium Oxide layers.

Vapor Pressure

Vapor Pressure
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