

PDMATa

PENTAKIS(DIMETHYLAMINO)TANTALUM

Physical Properties

Vapor pressure equat.:	<0.01 mbar at 20 °C
Density:	ca. 1.2 g/cm ³
Molweight:	401.33 g/mol
Melting point:	100 °C / 212 °F (decomposition)
Boiling point:	150 °C / 302 °F
Sublimation point:	

Chemical Properties

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

Safety & Transport

Toxicity:	Corrosive, Water-reactive, Flammable
Thermal decomposition:	
ADR/RID-class:	4.3(4.1)
UN-no:	3132, PG I
IMDG-class:	4.3(4.1)
UN-no:	3132, PG I
ICAO/IATA-class:	4.3(4.1)
UN-no:	3132, PG I – AIRFREIGHT ALLOWED

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

Packaging & Standard Filling Volumes

PDMATa.100.DOCK/10.150	100g / 150ccm cyl.
PDMATa.400.DOCK/10.400	400g / 400ccm cyl.
PDMATa.600.DOCK/10.600	600g / 600ccm cyl.
PDMATa.1000.DOCK/10.1000	1000g / 1000ccm cyl
PDMATa.3000.DOCK/10.3000	3000g / 3000ccm cyl.

Product Description

Name:	PENTAKIS(DIMETHYLAMINO) TANTALUM
CAS-Number:	19824-59-0
Element:	Ta
Molecular Formula:	C ₁₀ H ₃₀ N ₅ Ta

Quality Standards

EG Electronic Grade

Application

TaN CVD and ALD

Vapor Pressure

