SCIENCE DRIVEN SOLUTIONS

$NbCl_5$

NIOBIUM(V)CHLORIDE

Physical Properties

Vapor pressure equat.:	log(p(Torr) = 8.37-2870/T(K)
Density:	2.75 g/cm³
Molweight:	270.17 g/mol
Melting point:	205 °C / 401 °F
Boiling point:	248 °C / 479 °F
Sublimation point:	

Chemical Properties

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

Safety & Transport

Toxicity:	Toxic, Corrosive, May cause respiratory irritation
Thermal decomposition:	
ADR/RID-class:	8
UN-no:	3260, PG II
IMDG-class:	8
UN-no:	3260, PG II
ICAO/IATA-class:	8
UN-no:	3260, PG II – AIRFREIGHT ALLOWED

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

Packaging & Standard Filling Volumes

NbCl5.100.DOCK/10.150	100g / 150ccm cyl.
NbCl5.950.DOCK/10.400	950g / 400ccm cyl.
NbCl5.1300.DOCK/10.600	1300g / 600ccm cyl.
NbCl5.2300.DOCK/10.1000	2300g / 1000ccm cyl.

Product Description

Name:	NIOBIUM(V)CHLORIDE
CAS-Number:	10026-12-7
Element:	Nb
Molecular Formula:	$NbCl_5$

Quality Standards

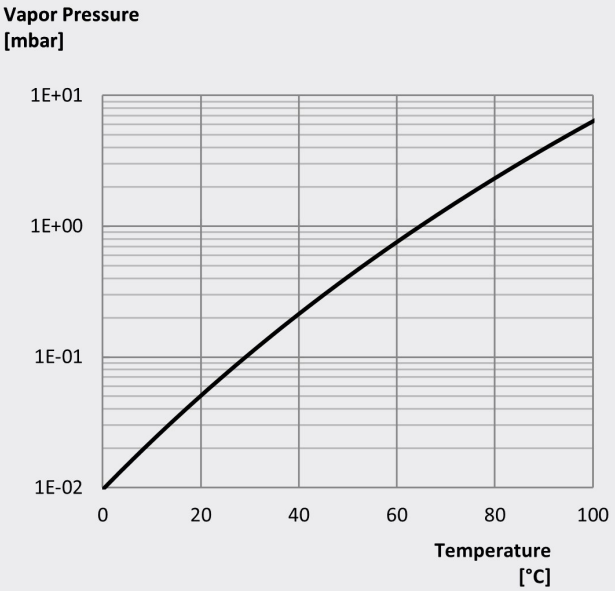
EG Electronic Grade

ALD Atomic Layer Deposition Grade

Application

ALD and CVD precursor

Vapor Pressure



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