

Cp₂Ni

BIS(CYCLOPENTADIENYL)NICKEL

Physical Properties

Vapor pressure equat.:	$\ln(p(\text{Pa})) = 28.5 - 8402.4/T(\text{K})$
Density:	1.47 g/cm ³
Molweight:	188.88 g/mol
Melting point:	171 °C / 340 °F
Boiling point:	n.a.
Sublimation point:	100 °C (0.01 mbar)

Chemical Properties

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

Safety & Transport

Toxicity:	Flammable
Thermal decomposition:	
ADR/RID-class:	4.1
UN-no:	1325, PG II
IMDG-class:	4.1
UN-no:	1325, PG II
ICAO/IATA-class:	4.1
UN-no:	1325, PG II – AIRFREIGHT ALLOWED

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

Packaging & Standard Filling Volumes

Cp ₂ Ni.100.DOCK/10.150	100g / 150ccm cyl.
Cp ₂ Ni.300.DOCK/10.400	300g / 400ccm cyl.
Cp ₂ Ni.500.DOCK/10.600	500g / 600ccm cyl.
Cp ₂ Ni.750.DOCK/10.1000	750g / 1000ccm cyl.
Cp ₂ Ni.2500.DOCK/10.3000	2500g / 3000ccm cyl.

Product Description

Name:	BIS(CYCLOPENTADIENYL)NICKEL
CAS-Number:	1271-28-9
Element:	Ni
Molecular Formula:	C ₁₀ H ₁₀ Ni

Quality Standards

DG Development Grade

Application

CVD and ALD precursor

Vapor Pressure

Vapor Pressure
[mbar]

