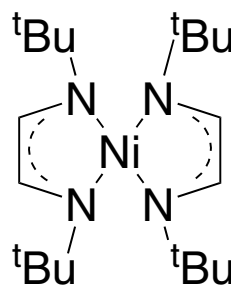


27-1025
Co(DAD)₂



28-0225
Ni(DAD)₂

27-1025	Bis(1,4-di-t-butyl-1,3-diazabutadienyl)cobalt(II) Co(DAD)₂ min. 98% (99.999%-Co) PURATREM	250mg
	CAS# 177099-51-3	1g
	C ₂₀ H ₄₀ CoN ₄ ; FW: 395.49; dark green-blue xtl.	5g

Technical Notes:

1. Used for the vapor deposition (ALD and CVD) of cobalt-containing films.
2. The atomic layer deposition of cobalt metal films is described using Co(DAD)₂ and formic acid as precursors.

References:

1. Winter, Charles H.; Knisley, Thomas J., U.S. **2016**, US 9255327 B2 20160209.
2. Winter, Charles H.; Knisley, Thomas J., U.S. Pat. Appl. Publ. **2016**, US 20160152650 A1 20160602.
3. Klesko, Joseph P.; Kerrigan, Marissa M.; Winter, Charles H. *Chem. Mater.*, **2016**, *28*, 700-703.
4. Knisley, Thomas J.; Saly, Mark J.; Heeg, Mary Jane; Roberts, John L.; Winter, Charles H., *Organometallics* **2011**, *30*, 5010-5017.
5. Romero, Patricio E., U.S. Pat. Appl. Publ. (2015), US 20150105573 A1 20150416.

28-0225	Bis(1,4-di-t-butyl-1,3-diazabutadienyl)nickel(II) Ni(DAD)₂ min. 98% (99.999%-Ni) PURATREM	250mg
	C ₂₀ H ₄₀ N ₄ Ni; FW: 395.25; red green xtl.	1g
		5g

Technical Notes:

1. Used for the vapor deposition (ALD and CVD) of nickel-containing films.
2. The atomic layer deposition of nickel metal films is described using Ni(DAD)₂ and formic acid as precursors.
3. Precursors for CVD and ALD processes for obtaining nickel, nickel silicide or nickel nitride thin films.

References:

1. Winter, Charles H.; Knisley, Thomas J., U.S. **2016**, US 9255327 B2 20160209.
2. Winter, Charles H.; Knisley, Thomas J., U.S. Pat. Appl. Publ. **2016**, US 20160152650 A1 20160602.
3. Klesko, Joseph P.; Kerrigan, Marissa M.; Winter, Charles H. *Chem. Mater.*, **2016**, *28*, 700-703.
4. Knisley, Thomas J.; Saly, Mark J.; Heeg, Mary Jane; Roberts, John L.; Winter, Charles H., *Organometallics* **2011**, *30*, 5010-5017.
5. Lansalot-Matras, Clement; Gatineau, Julien; Jurcik, Benjamin J., Jr., PCT Int. Appl. **2013**, WO 2013046157 A1 20130404.

Collaborator:

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