

# Technical Data Sheet

## Dichloro(1,5-cyclooctadiene)ruthenium(II), polymer

<b>CAS No.</b>	50982-12-2
<b>Formula</b>	[Ru(COD)Cl <sub>2</sub> ]
<b>Molar Mass (gm/mol)</b>	280.16
<b>Grade</b>	RM HC 332
<b>Appearance</b>	brown color crystalline powder
<b>Metal Content</b>	35.5%-36.5%
<b>Melting Point (°C)</b>	205°C

### Storage Condition

- Store in a tightly closed container at ambient temperature

### Application

- used with IMes to catalyze the dehydrogenative coupling of alcohols and amines to form amide bonds. In addition, [Ru(COD)Cl<sub>2</sub>] can also be used with NHC ligand to catalyze greener amide bond formation by dehydrogenative coupling of amines and alcohols.