

Technical data sheet

## Ruthenium

### Tris(triphenylphosphine)ruthenium(II)dichloride

Formula	[Ru(TPP) <sub>3</sub> ]Cl <sub>2</sub>
CAS No.	15529-49-4
Grade	RM HC 333
Description	brown color crystalline amorphous powder
Metal content	10.0%-11.0%
Molar Mass (g/Mol)	958.83
Melting Point (°C)	133°C

#### Storage Condition

Store in a tightly closed container at ambient temperature.

#### Application

RuCl<sub>2</sub>(PPh<sub>3</sub>)<sub>3</sub> facilitates oxidations, reductions, cross-couplings, cyclizations, and isomerization. It is used in the Kharasch addition of chlorocarbons to alkenes.