

SPECIFICATION

Triruthenium Dodecacarbonyl

Parameters	Specification
CAS Number	15243-33-1
Appearance	Dark brown to orange-brown crystalline solid
Molecular Formula	C ₁₂ O ₁₂ Ru ₃
Molecular Weight	639.33 g/mol
Boiling Point	530 °C
Melting Point	135 °C
Flash Point	200 °C
Purity	98–99%
Refractive Index	1.89
Solubility	Insoluble in water, soluble in nonpolar solvents such as benzene and toluene
Uses	Catalyst precursor for ruthenium carbonyl chemistry, synthesis of metal carbonyl clusters