

Technical Data Sheet

Ruthenium Trichloride Anhydrous

CAS No.	10049-08-8
Formula	RuCl ₃
Molar Mass (gm/mol)	207.43
Grade	RM HC 359
Appearance	blackish red crystalline powder
Metal Content	47.1% 48.7%
Melting Point (°C)	>500°C (decomposes)

Storage Condition

- Store in a tightly closed container at ambient temperature.

Application

- Ruthenium trichloride is by far the best starting material for the synthesis of compounds of the metal. Like osmium, ruthenium exhibits a wide range of oxidation states in its complexes (VIII to —II), and all of these may be reached from RuCl₃ since, although it is stable, it can easily be oxidised or reduced.