

SPECIFICATION

Magnesium Tert-Butoxide

Parameters	Specification
CAS Number	32149-57-8
Appearance	White to off-white crystalline powder
Molecular Formula	C ₈ H ₁₈ MgO ₂
Molecular Weight	170.53 g/mol
Boiling Point	230 °C
Melting Point	110 °C
Flash Point	150 °C
Purity	98–99%
Refractive Index	1.48
Solubility	Insoluble in water; soluble in diethyl ether and THF; reacts with moisture
Uses	Used as a strong non-nucleophilic base in organic synthesis; precursor to magnesium alkoxides; catalyst and reagent in deprotonation and coupling reactions



☎ +91-9227788155 | +91-9227788115 | +91-9227070667 | +91-260-6618618

✉ info@triveniinterchem.com | info@trivenichemical.com

🌐 www.triveniinterchem.com | www.trivenichemical.com

📍 135, Pancharatna, Char Rasta, G.I.D.C., Vapi-396195, Gujarat, India



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