

SPECIFICATION

Boron Trifluoride Diethyl Etherate

Parameters	Specification
CAS Number	109-63-7
Appearance	Colorless liquid
Molecular Formula	$\text{BF}_3 \cdot \text{O}(\text{C}_2\text{H}_5)_2$
Molecular Weight	141.93 g/mol
Boiling Point	60 °C
Melting Point	-110 °C
Flash Point	52 °C
Purity	98–99%
Refractive Index	1.37
Solubility	Soluble in diethyl ether and most organic solvents; hydrolyzes in water
Uses	Lewis acid catalyst in organic synthesis; Friedel–Crafts reactions; polymerization catalysts

+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



www.chemicalbull.com

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