

SPECIFICATION

Boron Trifluoride Etherate

Parameters	Specification
Appearance	Colorless liquid
Molecular Weight	141.93 g/mol
Boiling Point	58 °C
Melting Point	-60 °C
Flash Point	-20 °C
Purity	98–99%
Refractive Index	1.36
Solubility	Soluble in diethyl ether and other organic solvents; hydrolyzes slowly in water
Uses	Lewis acid catalyst and BF ₃ source in organic synthesis; activates carbonyl groups in acylation and alkylation reactions