

SPECIFICATION

Boron Trichloride

Parameters	Specification
CAS Number	10294-34-5
Appearance	Colorless, fuming liquid
Molecular Formula	BCL ₃
Molecular Weight	117.16 g/mol
Boiling Point	-85.1 °C
Melting Point	-133.0 °C
Flash Point	-120.0 °C
Purity	98-99%
Refractive Index	1.42
Solubility	Reacts with water; hydrolyzes to HCl and boric acid; soluble in nonpolar solvents
Uses	Synthesis of organ boron compounds; catalyst for chemical synthesis; semiconductor processing; wide-ranging chemical reagent

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