

SPECIFICATION

Diethylaminosulfur Trifluoride

Parameters	Specification
CAS Number	38078-09-0
Appearance	Colorless to pale yellow liquid
Molecular Formula	C ₄ H ₁₀ F ₃ NS
Molecular Weight	162.20 g/mol
Boiling Point	66 °C
Melting Point	-60 °C
Flash Point	-5 °C
Purity	98–99%
Refractive Index	1.412
Solubility	Soluble in organic solvents; reactive with water
Uses	Fluorinating agent for converting alcohols to alkyl fluorides; used in organic synthesis

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