

SPECIFICATION

Niobium Pentafluoride

Parameters	Specification
CAS Number	7783-68-8
Appearance	White crystalline solid
Molecular Weight	187.90 g/mol
Boiling Point	170 °C
Flash Point	260 °C
Purity	98–99%
Refractive Index	1.46
Solubility	Reacts with water to form hydrofluoric acid and niobium oxyfluorides; soluble in hydrogen fluoride
Uses	Fluorinating agent; Lewis acid catalyst in organic synthesis; NbF ₅ source for chemical vapor deposition

+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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