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Typical Product Specifications & Properties

2,2,6,6-Tetramethyl-1-piperidinyloxy (TEMPO)

CAS Number: : 2564-83-2

Specifications	Limits
Molecular weight	156.25
EINECS	219-888-8
SMILES	[O]N1C(CCCC1(C)C)(C)C
InChI	1S/C9H18NO/c1-8(2)6-5-7-9(3,4)10(8)11/h5-7H2,1-4H3
InChIKey	QYTDEUPAUMOIOP-UHFFFAOYSA-N
Flash Point	154 °F
Melting Point	36-38 °C
Density	1 g/cm3
Merck	14,9140
Boiling Point	193°C
Stability	Stable. Incompatible with strong acids, strong oxidizing agents. Refrigerate.
Storage Temperature	2-8°C





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Specifications	Limits
Water solubility	Soluble in all organic solvents. Insoluble in water.
BRN Number	1422418
log P (octanol-water)	1.85
Vapor Pressure	6.00E-06 mm Hg
Water solubility	1870 mg/L
Atmospheric OH Rate Constant	4.91E-12 cm ³ /molecule-sec
Henry's Law Constant	8.22E-11 atm-m ³ /mole



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