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Typical Product Specifications & Properties

Hexamethylphosphoramide

CAS Number: : 680-31-9

Specifications	Limits
Molecular weight	179.20
EINECS	211-653-8
SMILES	<chem>P(=O)(N(C)C)(N(C)C)N(C)C</chem>
InChI	1S/C6H18N3OP/c1-7(2)11(10,8(3)4)9(5)6/h1-6H3
InChIKey	GNOIPBMMFNIUFM-UHFFFAOYSAN
Water solubility	1.00E+06 mg/L
Atmospheric OH Rate Constant	9.01E-11 cm ³ /molecule-sec
Melting Point	7.2 °C
Boiling Point	232.5 °C
log P (octanol-water)	0.28
Henry's Law Constant	2.00E-08 atm-m ³ /mole
Vapor Pressure	0.046 mm Hg



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Specifications	Limits
Water solubility	Miscible
Refractive Index	1.459
Vapor Pressure	0.07 mm Hg (25 °C)
Merck	4725
Boiling Point	230-232 °C/740 mm Hg
FreezingPoint	??
Melting Point	7 °C
Density	1.03 g/mL at 25 °C
Stability	Stable. Incompatible with strong acids, strong oxidizing agents.
Vapor Density	6.18
Flash Point	222 °F



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