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Typical Product Specifications & Properties

Magnesium Phosphate, Monobasic

CAS Number: : 13092-66-5

Specifications	Limits
Molecular weight	290.34
EINECS	236-004-6
SMILES	[Mg+2].OP(=O)(O)[O-].OP(=O)(O)[O-]
InChI	QQFLQYOOQVLGTQ-UHFFFAOYSA-L
InChIKey	1S/Mg.2H3O4P/c;2*1-5(2,3)4/h;2*(H3,1,2,3,4)/q+2;;/p-2
Molecular weight	330.36
EINECS	204-497-7
SMILES	CCOC(=O)CC(C(=O)OCC)SP(=S)(OC)OC
InChI	1S/C10H19O6PS2/c1-5-15-9(11)7-8(10(12)16-6-2)19-17(18,13-3)14-4/h8H,5-7H2,1-4H3
InChIKey	JXSJBGJIGXNWCI-UHFFFAOYSA-N
Atmospheric OH Rate Constant	7.74E-11 cm ³ /molecule-sec
Henry's Law Constant	4.89E-09 atm-m ³ /mole



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Specifications	Limits
Melting Point	2.8 ° C
Vapor Pressure	3.38E-06 mm Hg
log P (octanol-water)	2.36
Water solubility	143 mg/L
Water solubility	0.0145 g/100 mL
Stability	Stable. Incompatible with oxidizing agents, metals.
Flash Point	-18 °C
Density	1.2076
Boiling Point	156°C
Storage Temperature	APPROX 4°C
Melting Point	2.85°C



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