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Typical Product Specifications & Properties

Methylhydrazine

CAS Number: : 60-34-4

| Specifications | Limits |
|------------------------------|--|
| Molecular weight | 46.07 |
| InChI | 1S/CH6N2/c1-3-2/h3H,2H2,1H3 |
| InChIKey | HDZGCSFEDULWCS-UHFFFAOYSA-N |
| Atmospheric OH Rate Constant | 6.50E-11 cm ³ /molecule-sec |
| Boiling Point | 87.5 ° C |
| Henry's Law Constant | 3.03E-06 atm-m ³ /mole |
| Vapor Pressure | 50 mm Hg |
| Water solubility | 1.00E+06 mg/L |
| pKa Dissociation Constant | 7.87 |
| log P (octanol-water) | -1.05E+00 |
| Melting Point | -5.24E+01 ° C |
| Molecular weight | 229.26 |



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| Specifications | Limits |
|------------------------------|---|
| SMILES | <chem>P(=S)(SCC(=O)NC)(OC)OC</chem> |
| InChI | 1S/C5H12NO3PS2/c1-6-5(7)4-12-10(11,8-2)9-3/h4H2,1-3H3,(H,6,7) |
| InChIKey | MCWXGJITAZMZEV-UHFFFAOYSA-N |
| Vapor Pressure | 8.25E-06 mm Hg |
| Henry's Law Constant | 1.05E-10 atm-m ³ /mole |
| log P (octanol-water) | 0.78 |
| Melting Point | 52 °C |
| Water solubility | 2.50E+04 mg/L |
| Atmospheric OH Rate Constant | 7.90E-11 cm ³ /molecule-sec |



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