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## Typical Product Specifications & Properties

# Dioctyl octylphosphonate

CAS Number: : 126-63-6

| Specifications               | Limits                                                                         |
|------------------------------|--------------------------------------------------------------------------------|
| Molecular weight             | 418.63                                                                         |
| Molecular weight             | 697.61                                                                         |
| SMILES                       | <chem>P(=O)(OCC(CBr)Br)(OCC(CBr)Br)OCC(CBr)Br</chem>                           |
| InChI                        | 1S/C9H15Br6O4P/c10-1-7(13)4-17-20(16,18-5-8(14)2-11)19-6-9(15)3-12/h7-9H,1-6H2 |
| InChIKey                     | PQYJRMFWJJONBO-UHFFFAOYSA-N                                                    |
| Henry's Law Constant         | 2.18E-05 atm-m3/mole                                                           |
| Melting Point                | 5.5 &deg; C                                                                    |
| Atmospheric OH Rate Constant | 2.77E-11 cm3/molecule-sec                                                      |
| log P (octanol-water)        | 4.29                                                                           |
| Vapor Pressure               | 1.90E-04 mm Hg                                                                 |
| Water solubility             | 8 mg/L                                                                         |



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