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## Typical Product Specifications & Properties

# Pentaborane

CAS Number: : 19624-22-7

Specifications	Limits
Molecular weight	63.13
EINECS	243-194-4
InChI	1S/B5H9/c6-1-5-2(6)8-4(5)9-3(5)7-1/h1-5H
InChIKey	USBVLEBZPMQADS-UHFFFAOYSA-N
Chemical Structure	 103221 Pentaborane chemical structure
Molecular weight	323.30
EINECS	218-276-8
SMILES	<chem>c1([P@](O)(O)ccc([N+](=O)[O-])cc2)(OCC)=S)ccccc1</chem>
InChI	1S/C14H14NO4PS/c1-2-18-20(21,14-6-4-3-5-7-14)19-13-10-8-12(9-11-13)15(16)17/h3-11H,2H2,1H3
InChIKey	AIGRXSNSLVJMEA-UHFFFAOYSA-N
Water solubility	3.11 mg/L
Melting Point	36 &deg; C



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Specifications	Limits
Henry's Law Constant	4.44E-07 atm-m <sup>3</sup> /mole
Atmospheric OH Rate Constant	7.47E-11 cm <sup>3</sup> /molecule-sec
log P (octanol-water)	4.78
Vapor Pressure	9.50E-07 mm Hg



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