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Typical Product Specifications & Properties

Fenthion

CAS Number: : 55-38-9

Specifications	Limits
Molecular weight	278.33
EINECS	200-231-9
InChI	1S/C10H15O3PS2/c1-8-7-9(5-6-10(8)16-4)13-14(15,11-2)12-3/h5-7H,1-4H3
InChIKey	PNVJTZOFSHSLTO-UHFFFAOYSA-N
Boiling Point	87°C (0.01 mmHg)
Density	1.25
Stability	Stable. Incompatible with strong oxidizing agents.
Melting Point	7.5°C
Merck	13,4030
Storage Temperature	2-8°C
Flash Point	>100 °C
Water solubility	0.0055 g/100 mL



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Specifications	Limits
Molecular weight	227.09
EINECS	200-240-8
SMILES	<chem>C(CO[N+](=O)[O-])(CO[N+](=O)[O-])O[N+](=O)[O-]</chem>
InChI	1S/C3H5N3O9/c7-4(8)13-1-3(15-6(11)12)2-14-5(9)10/h3H,1-2H2
InChIKey	SNIOPGDIGTZGOP-UHFFFAOYSA-N
log P (octanol-water)	1.62
Henry's Law Constant	9.87E-08 atm-m3/mole
Water solubility	1380 mg/L
Boiling Point	250 ° C
Atmospheric OH Rate Constant	1.10E-12 cm3/molecule-sec
Melting Point	13.5 ° C
Storage Temperature	?20°C



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Specifications	Limits
Flash Point	12°C



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