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## Typical Product Specifications & Properties

# Pentachlorophenol

CAS Number: : 87-86-5

Specifications	Limits
Molecular weight	266.34
InChI	1S/C6HCl5O/c7-1-2(8)4(10)6(12)5(11)3(1)9/h12H
InChIKey	IZUPBVBLAPZRR-UHFFFAOYSA-N
Vapor Pressure	1.10E-04 mm Hg
pKa Dissociation Constant	4.7
Atmospheric OH Rate Constant	5.50E-13 cm <sup>3</sup> /molecule-sec
Water solubility	14 mg/L
log P (octanol-water)	5.12
Henry's Law Constant	2.45E-08 atm-m <sup>3</sup> /mole
Boiling Point	309.5 &deg; C
Melting Point	174 &deg; C
Storage Temperature	0-6&deg;C



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Specifications	Limits
Flash Point	11 &deg;C
Merck	7109
Stability	Stable. Incompatible with strong oxidizing agents.
Melting Point	165-180 &deg;C
Vapor Density	9.2
Vapor Pressure	40 mm Hg ( 211.2 &deg;C)
Density	1.978 g/mL at 25 &deg;C
Boiling Point	310 &deg;C



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