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Typical Product Specifications & Properties

3-Chloronitrobenzene

CAS Number: : 121-73-3

Specifications	Limits
Molecular weight	157.55
InChI	1S/C6H4ClNO2/c7-5-2-1-3-6(4-5)8(9)10/h1-4H
InChIKey	KMAQZIILEGKYQZ-UHFFFAOYSA-N
log P (octanol-water)	2.46
Melting Point	44.4 ° C
Henry's Law Constant	1.35E-05 atm-m3/mole
Vapor Pressure	0.097 mm Hg
Water solubility	273 mg/L
Atmospheric OH Rate Constant	1.20E-13 cm3/molecule-sec
Boiling Point	235.5 ° C
BRN Number	1907947
Solubility	alcohol: freely soluble (hot)



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Specifications	Limits
Boiling Point	236 °C
Storage Temperature	Store below +30°C.
Flash Point	218 °F
Density	1.534 g/mL at 25 °C
Stability	Stable. Incompatible with strong oxidizing agents, strong acids, strong reducing agents.
Melting Point	43-47 °C
Water solubility	INSOLUBLE
Merck	14,2151
Molecular weight	330.36
InChI	1S/C10H19O6PS2/c1-5-15-9(11)7-8(10(12)16-6-2)19-17(18,13-3)14-4/h8H,5-7H2,1-4H3
InChIKey	JXSJBGJIGXNWCI-UHFFFAOYSA-N
Atmospheric OH Rate Constant	7.74E-11 cm ³ /molecule-sec



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Specifications	Limits
Henry's Law Constant	4.89E-09 atm-m ³ /mole
Melting Point	2.8 °C
Vapor Pressure	3.38E-06 mm Hg
log P (octanol-water)	2.36
Water solubility	143 mg/L
Specifications	Limits
Water solubility	0.0145 g/100 mL
Stability	Stable. Incompatible with oxidizing agents, metals.
Flash Point	-18 °C
Density	1.2076
Boiling Point	156°C
Storage Temperature	APPROX 4°C
Melting Point	2.85°C



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