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Typical Product Specifications & Properties

Thiophosgene

CAS Number: : 463-71-8

Specifications	Limits
Molecular weight	114.98
EINECS	207-341-6
SMILES	C(=S)(Cl)Cl
InChI	1S/CCl2S/c2-1(3)4
InChIKey	ZWZVWGITAAIFPS-UHFFFAOYSA-N
Vapor Pressure	116 mm Hg
Melting Point	< 25 ° C
Henry's Law Constant	5.86E-03 atm-m ³ /mole
Boiling Point	73 ° C
Water solubility	1.40E+05 mg/L
Atmospheric OH Rate Constant	0.0 cm ³ /molecule-sec
log P (octanol-water)	-0.150



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Specifications	Limits
Refractive Index	1.548
Boiling Point	73 °C
Flash Point	62 °C
Density	1.508
Vapor Density	4
Storage Temperature	2-8°C
Water solubility	slow decomposition in cold, fast in hot water
Stability	Stable, but reacts violently with water to produce toxic fumes. Incompatible with water, alcohols. Refrigerate at 2-8 C.



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