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Typical Product Specifications & Properties

Tetrahydrothiophene

CAS Number: : 110-01-0

Specifications	Limits
Molecular weight	88.17
EINECS	203-728-9
SMILES	C1CCSC1
InChI	1S/C4H8S/c1-2-4-5-3-1/h1-4H2
InChIKey	RAOIDOHSFRTOEL-UHFFFAOYSA-N
Henry's Law Constant	6.11E-04 atm-m ³ /mole
Melting Point	-9.61E+01 ° C
log P (octanol-water)	1.790
Boiling Point	121 ° C
Vapor Pressure	18.4 mm Hg
Water solubility	3730 mg/L
Atmospheric OH Rate Constant	1.97E-11 cm ³ /molecule-sec



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Specifications	Limits
Storage Temperature	Flammables area
Vapor Pressure	18 mm Hg (25 °C)
Merck	14,9218
Density	1 g/mL at 25 °C
Refractive Index	1.504
Stability	Stability Highly flammable. Vapour-air mixtures explosive in some proportions; note low flash point and fairly wide explosion limit range. Heavier than air, so potentially explosive mixtures may travel considerable distances to source of ignitio
Solubility	immiscible
Water solubility	immiscible
Boiling Point	119 °C
BRN Number	102392
Flash Point	55 °F
Melting Point	-96 °C



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