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## Typical Product Specifications & Properties

# p-Toluenesulfonyl chloride

CAS Number: : 98-59-9

Specifications	Limits
Molecular weight	190.65
InChI	1S/C7H7ClO2S/c1-6-2-4-7(5-3-6)11(8,9)10/h2-5H,1H3
InChIKey	YYROPELSRYBVMQ-UHFFFAOYSA-N
Stability	Stable. Substances to be avoided include strong bases and strong oxidizing agents and water. Moisture sensitive.
Water solubility	hydrolyses
Vapor Pressure	1 mm Hg ( 88 &deg;C)
Storage Temperature	Store at room temperature.
BRN Number	607898
Flash Point	128 &deg;C
Solubility	methylene chloride: 0.2 g/mL, clear
Density	1,006 g/cm <sup>3</sup>
Sensitive	Moisture Sensitive



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Specifications	Limits
Merck	14,9534
Boiling Point	134 &deg;C/10 mm Hg
Melting Point	65-69 &deg;C
Melting Point	71 &deg; C
Vapor Pressure	0.5 mm Hg
Atmospheric OH Rate Constant	1.22E-12 cm <sup>3</sup> /molecule-sec
Water solubility	51.2 mg/L
log P (octanol-water)	3.490
Henry's Law Constant	9.67E-06 atm-m <sup>3</sup> /mole
RTECS	DB8929000
Color	White
Form	Crystalline Powder



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