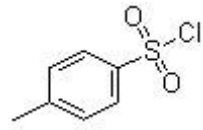


## Technical Data Sheet

### Basic information

Chemical name	P-Toluene sulfonyl chloride	Formula	C7H7ClO2S
Synonyms	P-Toluene sulfonyl chloride;Tosyl chloride	Chemical structure	
CAS.No.	98-59-9		
EINECS No.	202-684-8		
Molecular weight	190.6		

### Physical properties

Appearance	Free flowing crystalline powder
Density,20°C, g/cm <sup>3</sup>	1.33
Boiling point,°C	145-146
Melting point,°C	67-71
Flash point,°C	110
Solubility	Insoluble in water, soluble in ethanol, ethyl ether, benzene

### Specification

Items	Industry grade
Appearance	Free flowing crystalline powder
Purity %	≥99.5%
Moisture%	≤0.05%
Free acid %	≤0.1%
OTSC%	≤0.2%
Color	≤20

### Application

Intermediate of the dye and pharmacy

### Package

50kg/drum,16000kg per 20GP container

### Safety on transportation

Always refer to MSDS.

### Storage and handling

Keep tightly closed, store in a cool dry place.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

*The information above is believed to be accurate and represents the best information currently available to us. However, In no event shall we be liable for any claims, losses, or damages of any third party resulting from its use.*

**Issue Date:** 1st,12,2015