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Typical Product Specifications & Properties

4-Toluenesulfonic acid

CAS Number: : 104-15-4

| Specifications | Limits |
|------------------------------|---------------------------|
| log P (octanol-water) | -0.620 |
| Water solubility | 6.20E+05 mg/L |
| Vapor Pressure | 2.70E-06 mm Hg |
| Henry's Law Constant | 2.78E-09 atm-m3/mole |
| Melting Point | 104.5 ° C |
| pKa Dissociation Constant | -1.34E+00 |
| Atmospheric OH Rate Constant | 1.36E-12 cm3/molecule-sec |
| Storage Temperature | Flammables area |
| Water solubility | soluble |
| Density | 1.07 |
| Melting Point | 106~107? |
| Boiling Point | 116 °C |



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| Specifications | Limits |
|------------------|--|
| Refractive Index | 1.3825-1.3845 |
| Flash Point | 41 °C |
| EINECS | 203-180-0 |
| Molecular weight | 172.202 |
| SMILES | <chem>S(c1ccc(C)cc1)(O)(=O)=O</chem> |
| InChIKey | 1S/C7H8O3S/c1-6-2-4-7(5-3-6)11(8&9)10/h2-5H&1H3&(H&8&9&10) |
| InChI | JOXIMZ WYDAKGHI-UHFFFAOYSA-N |



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