

## PRODUCT IDENTITY

|                 |                            |                |                                                 |
|-----------------|----------------------------|----------------|-------------------------------------------------|
| PRODUCT NAME    | p-Toluenesulfonyl fluoride | PRODUCT NUMBER | I170441                                         |
| Grades & Purity | ≥98%                       | VERSION        | 3                                               |
| CAS NUMBER      | 455-16-3                   | FORMULA        | C <sub>7</sub> H <sub>7</sub> FO <sub>2</sub> S |
| FORMULA WEIGHT  | 174.19g/mol                |                |                                                 |

## ACCEPTANCE CRITERIA

| PARAMETER            | SPECIFICATION / LIMIT                                                                   |
|----------------------|-----------------------------------------------------------------------------------------|
| Purity(GC)           | 98-100 (%)                                                                              |
| Melting point        | 37-44 (°C)                                                                              |
| Appearance (I170441) | White to Off-White to cream to yellow Crystals or powder or crystalline powder or lumps |
| Proton NMR spectrum  | Conforms to Structure                                                                   |