



## PTSI

Chemical Name : p-Toluenesulphonyl isocyanate  
 CAS No. : 4083-64-1  
 EINECS No. : 223-810-8  
 Chemical formula : C<sub>8</sub>H<sub>7</sub>NO<sub>3</sub>S

| Specifications           |                                |
|--------------------------|--------------------------------|
| Appearance               | Colorless transparant liquid   |
| Color (APHA)             | Max 20                         |
| Odour                    | Acrid                          |
| Purity (GC)              | Min 98%                        |
| PTSC (GC)                | Max 1.1%                       |
| Hydrolysable Chloride    | Max 0,1%                       |
| Dissolved in hydrdicacid | Max 0,1%                       |
| NCO                      | Approx. 20-22 %                |
| Density @ 20°C           | 1.29 ( test method DIN 51757)  |
| Flash Point              | 150°C ( test method DIN 51584) |
| Molecular weight         | 197.21                         |

### Application

PTSI is a stabilizer and moisture scavenger in coatings & urethane raw materials. Reacts with water and all compounds that contain hydrogen atoms to form the corresponding carbamic acid, which in turn, undergoes immediate decomposition to form carbon dioxide and p-toluenesulfonamide (PTSA; CAS number 70-55-3).. Prevents moisture related issues.

Predominantly used in moisture-curing Polyurethane one-pack coatings. Causes crystalline reaction products, which are soluble in commonly used paint solvents.

PTSI is not likely to be found in the environment.

Usage approx. 1 - 4% on total formulation.

**Storage:** Keep dry and cool and closed package  
**Shelf life:** 1 year  
**Packaging:** 25 kg and 200 kg drums