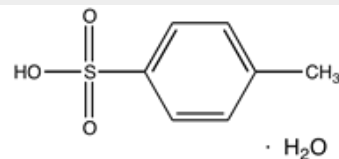


**Identification**

$C_7H_8O_3S \cdot H_2O$   
 M = 190,22 g/mol  
 CAS [6192-52-5]  
 EC number: 203-180-0  
 Taric code: 2904 10 00


**Synonyms**

PTSA monohydrate, 4-Methylbenzenesulfonic acid, PASAM, p-Toluenesulfonic acid

**Applications**

analytical chemistry, laboratory reagent, synthesis of organic products.

**Specifications**

assay (acidimetric, on dried sample).....	min. 99 %	heavy metals (as Pb).....	max. 0,001 %
identity (IR-spectrum).....	passes test	iron (Fe).....	max. 0,01 %
TLC test.....	passes test	residue on ignition.....	max. 0,1 %
sulfates (SO <sub>4</sub> ).....	max. 0,3 %	water (K.F.).....	9,0 - 13,0 %

**Physical data**

- Appearance: crystals, almost white
- Bulk density: ~ 510 kg/m<sup>3</sup>
- Solub. in water: (20 °C): ~ 750 g/l
- Melting point: 105 °C (anhydrous substance)
- Flash point: 180 °C
- pH(H<sub>2</sub>O, 20 °C) < 1
- Hygroscopic

**Safety - GHS**

**Signal Word:** Warning


**Hazard Statements:**

- H315: Causes skin irritation.  
 H319: Causes serious eye irritation.  
 H335: May cause respiratory irritation.

**Precautionary Statements:**

- P261: Avoid breathing dust / fume / gas / mist / vapours / spray.  
 P280: Wear protective gloves / protective clothing / eye protection / face protection.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P321: Specific treatment (see on this label).  
 P405: Store locked up.  
 P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Transport/storage**

- ADR: 8 C4 III • UN 2585 • ALKYL SULPHONIC ACIDS, SOLID or ARYL SULPHONIC ACIDS, SOLID
- IMDG: 8 III • UN 2585 • ALKYL SULPHONIC ACIDS, SOLID
- IATA/ICAO: 8 III • UN 2585 • ALKYL SULPHONIC ACIDS, SOLID
- PAX: 822
- CAO: 823
- 15°C - 25°C