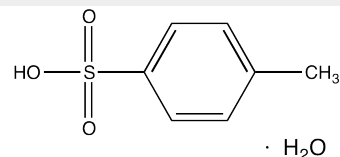


Toluene-4-sulfonic acid monohydrate, EssentQ®

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. 98 %	residue on ignition..... max. 0,2 %
identity (IR-spectrum)..... passes test	water (K.F.)..... 9,5 - 12 %

Physical data

- Appearance: blocks, white or almost white
- Bulk density: ~ 510 kg/m³
- Solub. in water: (20 °C): ~ 750 g/l
- Melting point: 105 °C (anhydrous substance)
- Flash point: 180 °C
- pH(H₂O, 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
- 10°C - 30°C