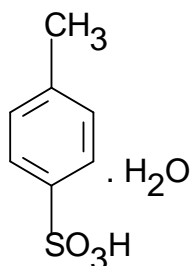


Product Name

STEPANATE® PTSA-C Series

Chemical Structure



Chemical Description

para-Toluene Sulfonic Acid monohydrate crystals

CAS Registry N°:

104-15-4

Applications

- Fine Chemical/ Pharmaceutical manufacture as an intermediate
- Dye and Pigment manufacture,
- Esterification Reactions,
- Catalyst for crosslinking reactions in paints, lacquers and inks.

Typical Properties

| | PTSA-C | PTSA-C99 |
|---------------------------|--------------------------|--------------------------|
| Appearance at 25°C | White/Pale Pink crystals | White/Pale Pink crystals |
| Toluene Sulphonic Acid, % | 88 min | 88 min |
| Sulphuric Acid, % | 0.3 max | 0.3 max |
| Total Acid, % | 97.2 min | 97.2 min |
| Flash Point, SETA, °C | > 102 | > 102 |
| Para-Isomer, % | 97 min | 99 min |

Toxicity

STEPANATE PTSA-C Series are irritating to the eyes, respiratory system and skin.

Storage & Handling

Normal safety precautions (i.e. gloves and safety goggles) should be employed when handling STEPANATE PTSA-C Series. Contact with eyes, respiratory system and prolonged contact with the skin should be avoided. Wash hands thoroughly after handling material. Do not use in confined spaces without adequate ventilation and/or a respirator system.

STEPANATE PTSA-C Series are hygroscopic materials.

It is recommended that the materials are stored in sealed containers in cool (below 40°C), dry conditions out of direct contact with sunlight. Dry conditions are particularly important due to the hygroscopic nature of the materials.

Stepanate PTSA-C series are subject to compaction on storage. Should this occur use suitable equipment, to break up the material, to facilitate addition into your application.

Packaging

STEPANATE PTSA-C and STEPANATE PTSA-C 99 are available in 25kg bags pallet (850K or 1000K).

Clearance

All components of STEPANATE PTSA-C Series are listed in Europe (EINECS 203-180-0), Canada (DSL 104-15-4), USA (TSCA 104-15-4), Australia (AICS 104-15-4), China (IECSC listed), Japan (ENCS No.3-1901), Korea (ECL KE-23476), Philippines (PICCS 104-15-4), New Zealand (NZIoC listed) and Switzerland (Swiss Identification Number G-3158).

STEPANATE® is a registered trademark of Stepan Company.

Additional Safety Information

A Material Safety Data Sheet is available upon request.

For Additional Assistance

For applications or product handling assistance, call our Corporate Offices at (33) 4-76-50-5160. For ordering assistance, call our Customer Service Department at (33) 4-76-50-5100.

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Stepan

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