

## p-TOLUENE SULPHONIC ACID FOR SYNTHESIS

<b>PRODUCT CODE</b>	<b>030459</b>	
<b>SYNONYMS</b>	(Toluene-4-sulphonic acid monohydrate)	
<b>C.I. NO.</b>	--	
<b>CASR NO.</b>	(6192-52-5)	
<b>ATOMIC OR MOLECULAR FORMULA</b>	C <sub>7</sub> H <sub>8</sub> O <sub>3</sub> S.H <sub>2</sub> O	
<b>ATOMIC OR MOLECULAR WEIGHT</b>	190.22	
<b>PROPERTIES</b>	'Hygroscopic'	
<b>PARAMETER</b>	<b>LIMIT</b>	
Description	White to pink crystalline flakes or powder.	
Solubility	10% solution in water is clear.	
Identification (By FTIR)	Conforms.	
Minimum Assay (acidimetric)	98.0%	
Melting range	100° - 105°C	
<b>MAXIMUM LIMIT OF IMPURITY</b>		
Sulphuric acid (as H <sub>2</sub> SO <sub>4</sub> )	1.0%	
<b>Note(s): Assay (if applicable) method mentioned.</b> <b>2] "Product becomes pink on ageing"</b>		
<b>DANGER</b> <b>Hazard statements:</b> May cause drowsiness and dizziness. Harmful if swallowed. May cause allergic or asthmatic symptoms or breathing difficulties if inhaled. May cause cancer by inhalation. May be corrosive to metals. Causes severe skin burns and eye damage. <b>Precautionary statements</b> <b>Prevention:</b> Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Do not breathe dust or mist. In case of inadequate ventilation wear respiratory protection. Use personal protective equipment as required. Wear protective gloves/clothing and eye/face protection. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas /mist/vapours/spray. Obtain special instructions before use. <b>Response:</b> Wash contaminated clothing before reuse. If experiencing respiratory symptoms call a POISON CENTER or doctor/physician. If exposed or concerned: Get medical attention advice. IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Specific treatment: refer to Label or MSDS. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/ shower. Absorb spillage to prevent material damage. Immediately call a POISON CENTER or doctor/ physician. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.		IMDG Code : 8 / III UN No. : 2585 IATA : 8
<b>Disposal:</b> Add in small quantities to large, stirred excess of water, keeping the final concentration less than 2%. Neutralize with 5% sodium hydroxide soln. and run to waste with large volumes of running water. The chemical should be mixed combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber.		
<b>Hazard Pictogram(s) :--</b> <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <div style="display: flex; justify-content: space-around; align-items: center;"> <span>GHS05</span> <span>GHS08</span> </div>		

Replace Date-29-July-2025