



*Customized Performance \* Innovative Expertise*

**NAXCAT<sup>®</sup> p-TSA97**

**Product Data Sheet**

## para-TOLUENESULFONIC ACID

**Description:** NEASE CORPORATION manufactures a wide range of aromatic sulfonic acids. Aromatic sulfonic acids are made by sulfonating aromatic compounds with sulfuric acid, SO<sub>3</sub>, or Oleum. They are comparable in strength to mineral acids such as sulfuric acid, but are especially suitable for organic reactions where an inorganic, mineral acid could cause charring, oxidation, or an unwanted chemical reaction.

**CAS #**  
6192-52-5

**Naxcat p-TSA97** is the highest purity sulfonic acid that we offer. With a para-isomer content of greater than 97%, it is functional in applications where high purity is important, such as esterification and fine chemical reactions. **Naxcat p-TSA97** can be used as a “drop in” replacement in formulations currently utilizing high purity p-TSA.

<b>Typical Properties:</b>	Appearance	White crystalline needles
	pH (10% Solution)	< 2
	Molecular weight	190
	Acid Number	290 – 310
	Total Water (% Karl Fisher)	10 -12
	Melting Point, °C	103 - 105
	Solubility in water	Soluble

<b>Product Specifications:</b>	<b>Property</b>	<b>Specification</b>
	Active, %	97.0 min.
	Free acid, %	0.7 max.
	Free water, %	2.5 max.
	Residue on Ignition, %	0.2 max
	Iron as Fe, ppm	10 max.
	Melting Point, °C	103 - 105

**Applications:** Polymers and coatings catalyst, foundry applications, fine chemical and cross linking reactions, esterification catalyst

**Storage and Handling:** Keep container tightly closed when not in use. Store in cool, well ventilated area. Steel is corroded by sulfonic acids and is not recommended for prolonged storage at elevated temperatures since iron and color contamination could result. Dilution with water may increase corrosivity of the acid. Material will absorb moisture.

**Availability:** 55 pound bags

**Chemical Control Law Status:** All components of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

### **Transport Regulations**

Shipping Description: Aryl sulfonic acids, solid with not more than 5 percent free sulfuric acid (p-Toluenesulfonic acid monohydrate)  
Hazard Class: 8 ID Number: UN2585 Packing Group: III Label: Corrosive

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### Limited Warranty

The products sold by Nease Corporation (“Seller”) shall conform to the Seller’s current published specifications. Seller makes no other warranty, express or implied, including warranty of merchantability or fitness for particular use, whether product is used singly or in combination with other substances or in any process. Nothing contained herein should be considered as a recommendation for use of any product or method in violation of any valid patent now effective or which may issue hereafter. Prior testing for fitness for use and compliance with all applicable statutes by the user is a strict condition on the sale of any and all of Seller’s products.