

	<i>Product Focus • Customer Commitment • Performance Flexibility</i>	
	<b>NAXCAT® 330L</b>	<b>Product Data Sheet</b>
<b>TOLUENESULFONIC ACID SOLUTION</b>		

**Description:** Catexel Nease LLC 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 #**  
Mixture

**NAXCAT® 330L** is a high purity TSA, 65% active in water with low free sulfuric acid. It is designed to replace p-TSA, monohydrate in many industrial catalysis applications. It is manufactured using a proprietary purification technique that is not practiced elsewhere in the industry. **Naxcat® 330L** meets quality standards previously attained only by using crystalline p-TSA: low concentrations of sulfuric acid, iron, sulfones and hydrocarbons. It combines ease of use with the relatively low cost of liquid mixed isomer TSA solutions. If your catalysis needs allow it, what could be easier than directly pumping catalyst into your reactor with out the need to predissolve or preblend the compound, for reduced process time, labor savings, ease of use and saved clean-up time.

<b>Typical Properties:</b>	Appearance	Amber to Brown Liquid
	pH	< 1
	Water, % by wt.	35.0 max
	Specific Gravity @ 25°C	1.2.
	Flash Point, °F	> 200
	Molecular weight	172

<b>Product Specifications:</b>	<b>Property</b>	<b>Specification</b>
	Active, %	64.0 - 68.0
	Sulfones, %	0.2 Max.
	Hydrocarbons, %	0.3 Max.
	Sulfuric Acid, %	0.2 Max.
	Color , Gardner as is	3.0 Max.

**Applications:** Polymers and coatings 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:** Bulk, 550 pound drums, 2,500 pound totes

**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, liquid with not more than 5 percent free sulfuric acid (Toluenesulfonic acid)  
Hazard Class: 8 ID Number: UN2586 Packing Group: III Label: Corrosive

**Catexel Nease LLC**  
9774 Windisch Road, West Chester OH 45069  
Customer Service 888-762-7373  
www.catexel.com

Limited Warranty

The products sold by Catexel Nease LLC ("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.