



Product Focus • Customer Commitment • Performance Flexibility

NAXCAT® TSA-95

Product Data Sheet

TOLUENESULFONIC ACID, REFINED

Description: Catexel Nease LLC manufactures a wide range of aromatic sulfonic acids. Aromatic sulfonic acids are made by sulfonating aromatic compounds with sulfuric acid, SO₃, 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® TSA-95 is the strongest of our organic acids, and the most suited as an esterification catalyst in the manufacture of phthalates and other plasticizers.

Typical Properties:	Appearance	Light Brown Liquid
	pH	< 1
	Specific Gravity @ 25°C	1.3
	Flash Point, °F	363 (closed cup)
	Molecular weight	172
	Melting Point, °C	106 – 107
	Boiling Point	149°C @ 20 mmHg
	Vapor Pressure	4.10 X 10 ⁻⁶ mmHg @ 25°C
	Crystallization Range (°C)	35 to 50

Product Specifications:	Property	Specification
	Active, %	95.0 max.
	Water Insolubles, %	1.5% max.
	Hydrocarbons, %	1.0 max.
	Water, %	2.0 max.
	Sulfuric Acid, %	1.5 max.

Applications: Hand Cleaners, Industrial Cleaners, Metal Working, Textile Dye Manufacturing, Polymers and Coatings Catalysts

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, 575 pound drums

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.