TOLUENESULFONIC ACID, REFINED

Description: Nease Co. 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.

**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

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Limited Warranty
The products sold by Nease Co. 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 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 statues by the user is a strict condition on the sale of any and all of Seller’s products.