

PTSA

Fluorescent pyrene-tetrasulfonate tracer for industrial water-treatment monitoring.

CAS No. 59572-10-0	EC / List No. 626-424-1	Transport Non-dangerous goods
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Product Information

PTSA in this product means the tetrasodium salt of pyrene-1,3,6,8-tetrasulfonic acid. It is a fluorescent tracer used to monitor selected water-treatment chemical dosing and process-water behaviour. It should not be confused with p-toluenesulfonic acid, another substance sometimes abbreviated PTSA.

Specifications

Parameter	Specification
Appearance	Light yellow to yellow-green powder
Assay, HPLC	≥98.0 %
Water	≤0.5 %
Insoluble matter	≤0.1 %

Supply values follow the old product specification. EC/List identifier is 626-424-1. Formula and molecular weight are for the anhydrous tetrasodium salt; no finished-formulation performance or medical use is claimed.

Typical Properties

Property	Typical Value
Molecular formula	C ₁₆ H ₆ Na ₄ O ₁₂ S ₄
Molecular weight	610.43 g/mol (anhydrous basis)

Applications

Water-treatment dosing monitoring: Fluorescent marker for selected industrial water-treatment packages. Calibrate the instrument with the intended concentration and actual water matrix.

Process-water tracing: Tracer for process-flow and distribution studies. Evaluate background fluorescence, adsorption and compatibility with the treatment chemistry before interpreting results.

Fluorometric method development: Material for fluorescence-response and analytical-method development. Validate sensitivity, interference and repeatability for the selected instrument and test conditions.

Packaging / Storage

Item	Information
Packing	25 kg fibre drums
Storage	Keep sealed in a cool, dry, ventilated area away from strong oxidizing agents. Protect from moisture, direct sunlight and contamination; reseal promptly after dispensing.
Handling	Use local extraction for powder transfer. Wear gloves, protective clothing and eye protection; avoid inhaling dust and contact with skin or eyes. Prevent uncontrolled release.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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