

# Material Safety Data Sheet

## Section 1 – Chemical Product and Company Identification

**Catalog Numbers:** PTSA-30  
**Chemical Family:** Not Applicable  
**Recommended Use:** Laboratory chemicals  
**Manufacturer:** Pyxis Lab, Inc. 1729 Majestic Dr Suite 5 Lafayette, CO 80516 USA  
**Emergency Contact Number (24hr):** ChemTrec: 1-800-262-8200  
**Issue Date:** 10/27/12

**Product Identity:** PTSA Standard, 30 ppb  
**Synonyms:** Not Applicable  
**Revision Date:** 09/22/2015

## Section 2 – Hazard Identification

**Emergency Overview:** Non-flammable, non-corrosive, non-toxic. Does not present significant health hazards. Wash areas of contact with water.

**Appearance:** Clear, colorless liquid  
**Odor:** Odorless

**Target Organs:** None known

### Potential Health Effects/ Routes of

**Exposure: Eyes:** May cause slight irritation.

**Skin:** May cause slight irritation.

**Ingestion:** Large doses may cause upset stomach. **Inhalation:** Not likely to be a hazard.

**Chronic Effect / Carcinogenicity:** None (IARC, NTP, OSHA)

**Aggravated Medical Conditions:** No information available. These chemicals are not considered hazardous by OSHA. See section 11 for toxicological information. See section 12 for potential environmental effects.

## Section 3 – Composition, Information on Ingredients

1,3,6,8 - Pyrene Tetrasulfonic Acid, CAS# 6528-53-6, 0.000005%  
Purified Water, CAS# 7732-18-5, >99.9999% w/v

## Section 4 – First Aid

**Eyes:** No treatment is necessary

**Skin:** No treatment is necessary

**Ingestion:** No treatment is necessary

**Inhalation:** No treatment is necessary

**Notes to Physician:** Treat symptomatically.

## Section 5 – Fire Fighting Measures

**Flash Point:** Not Applicable

**Autoignition Temperature:** Not Applicable

**Explosion Limits Upper:** Not Applicable; **Lower:** Not Applicable

**Extinguishing Media:** Use means suitable to extinguishing surrounding fire.

**Unsuitable Extinguishing Media:** No information available

**Fire & Explosion Hazards:** Not considered to be a fire or explosion hazard.

**Fire Fighting Instructions / Equipment:** Use normal procedures. Use protective clothing. Use NIOSH approved breathing equipment.

**Hazardous Combustion Products:** No information Available

**Sensitivity to mechanical impact:** No information available.

**Sensitivity to static discharge:** No information available.

**Specific Hazards Arising from the Chemical:** No information available

**NFPA Rating:** (estimated) Health: 0; Flammable: 0; Reactivity: 0

### **Section 6 – Accidental Release Measures**

**Personal Precautions:** Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.

**Environmental Precautions:** Not relevant considering the small amounts used.

**Methods for Containment and Clean Up:** Absorb with suitable material. Always obey local regulations. Always obey local regulations.

### **Section 7 – Handling and Storage**

**Handling:** Wash hands after handling. Avoid contact with skin and eyes.

**Storage:** Protect from freezing and physical damage.

### **Section 8 – Exposure Controls, Personal Protection**

1,3,6,8 - Pyrene Tetrasulfonic Acid, CAS# 6528-53-6, ACGIH TLV: NA, OSHA PEL: NA  
Purified Water, CAS# 7732-18-5, ACGIH TLV: NA, OSHA PEL: NA

**Engineering Measures/ General Hygiene:** Normal ventilation is adequate. Ensure eyewash and safety showers are available.

**Personal Protection Equipment: Skin Protection:** Chemical resistant gloves.

**Eye/Face Protection:** Safety Glasses or goggles. **Respiratory Protection:** Normal ventilation is adequate

### **Section 9 – Physical and Chemical Properties**

**Appearance/Physical State:** Clear, nearly colorless liquid

**Odor:** Odorless

**% Volatility:** No Information Available

**Boiling Point:** 100 °C

**Specific Gravity:** 1.000 g/ml at 25 °C

**Melting Point:** No information available

**Vapor Pressure:** 17.5 mmHg at 20 °C

**Vapor Density:** No Information

Available **Flash Point:** Not Applicable

**Evaporation Rate:** No Information Available

**Coefficient of water/oil distribution:** Not

Available **pH:** 6.5 – 8.5

**Odor Threshold:** Not Available

**Flammability:** Nonflammable

**Decomposition Temperature:** No Information

Available **Solubility:** Infinite

**Partition Coefficient n-octanol/water:** No data available

**Relative Density:** No Information Available

**Molecular Weight:** Not Applicable

### **Section 10 – Stability and Reactivity**

**Chemical Stability:** Stable under normal conditions of use and storage.

**Incompatible Materials:** None known

**Conditions to Avoid:** None known

**Hazardous Decomposition Products:** None under normal use

**Hazardous Polymerization:** Does not occur.

**Hazardous Reactions:** None under normal processing

### Section 11 – Toxicological Information

**Routes of Exposure/Symptoms/Corrosiveness** – See Section 2

LD50 orl-rat: 90mL/kg (Purified Water) LC50 inhalation-rat: Not Available

**Irritation:** No Information Available

**Toxicologically Synergistic:** No Information Available

#### Chronic Exposure

**Carcinogenicity:** No Information Available

**Sensitization:** No information available.

**Mutagenic Effects:** No information available.

**Reproductive Effects:** No information available.

**Developmental Effects (Immediate/Delayed):** No information available.

**Teratogenicity:** No information available.

**Other Adverse Effects:** No Information Available.

**Endocrine Disruptor Information:** No information available

### Section 12 – Ecological Information

**Ecotoxicity:** Not Available.

**Persistence and Degradability:** No Information Available **Mobility:** No Information Available

**Bioaccumulation/ Accumulation:** No Information Available

### Section 13 – Disposal Considerations

**Waste Disposal/Waste Disposal of Packaging:** Dilute with water.

All chemical waster generators must determine whether a discarded chemical is classified as hazardous waste. Comply with all local, state, and federal regulations.

### Section 14 – Transport Information

**DOT - Not Regulated**

### Section 15 – Regulatory Information (not meant to be all inclusive)

**OSHA Status:** These chemicals are not considered hazardous by OSHA.

**Canada DSL:** These chemicals are listed on the Canada DSL list. **TSCA:**

The components of this solution are listed on the TSCA Inventory

**SARA Title III Section 313:** Not Applicable

**RCRA Status:** Not Applicable

**CERCLA Reportable Quantity:** Not Applicable

**WHMIS:** Not Controlled

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR

### Section 16 – Additional Information

**Disclaimer:** The information on this MSDS applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to determine the suitability and completeness of this information for his own particular use. No warranty is implied regarding the accuracy of the data or the results to be obtained from the products use.