

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 dataavailable

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.