

# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** PTSA-100

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## 2. HAZARDS IDENTIFICATION

**GHS Ratings:**

Skin corrosive 2 Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation

Eye corrosive 2A Eye irritant: Subcategory 2A, Reversible in 21 days.

| GHS HAZARDS |                                   | GHS HAZARDS    |   |
|-------------|-----------------------------------|----------------|---|
| H303        | May be harmful if swallowed.      | P264           | Wash skin thoroughly after handling.  |
| H315        | Causes skin irritation.           | P280           | Wear protective gloves/protective clothing/eye protection/face protection.  |
| H319        | Causes serious eye irritation.    | P312           | Call a POISON CENTER or doctor/physician if you feel unwell.  |
| H335        | May cause respiratory irritation. | P321           | Specific treatment (see first aid instructions on SDS)  |
|             |                                   | P362           | Take off contaminated clothing and wash before re use.  |
|             |                                   | P302+P352      | IF ON SKIN: Wash with soap and water  |
|             |                                   | P305+P351+P338 | IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing |
|             |                                   | P332+P313      | If skin irritation occurs: Get medical advice/attention   |
|             |                                   | P337+P313      | Get medical advice/attention  |

**Signal Word:** Warning



## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Component | CAS No.    | Molecular Wt. | Concentration |
|-----------|------------|---------------|---------------|
| PTSA      | 59572-10-0 | 610.43        | 0.0000001%    |
| Water     | 7732-18-5  | 18.01         | 99.9%         |

#### 4. FIRST AID MEASURES

**Inhalation:**

Remove victim to fresh air and keep a rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

**Eye Contact:**

Rinse the eye with water immediately. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention promptly if symptoms occur after washing.

**Skin Contact:**

Immediately remove contaminated clothing. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

**Ingestion:**

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Rinse mouth thoroughly. Get medical attention if any discomfort continues.

**Notes to Physician:**

Treat symptomatically.

#### 5. FIRE FIGHTING MEASURES

**Flash Point:** N/A

**LEL:**

**UEL:**

**Flammability of the Product:**

Not Flammable.

**Extinguishing Media:**

Foam, Dry powder, Water spray, Carbon dioxide (CO<sub>2</sub>)

**Special hazards arising from the substance or mixture:**

Carbon oxides, Sulfur oxides, Sodium oxides

**Specific hazards during firefighting:**

Thermal decomposition can lead to release of irritating gases and vapors.

**Fire Fighting Methods:**

Standard procedure for chemical fires. Cool containers / tanks with water spray.

**Special protective equipment for fire-fighters:**

In the event of fire, wear self-contained breathing apparatus. Splash proof protective suit.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Avoid contact with skin and eyes. Wear personal protective equipment (see section 8).

**Environmental precautions:**

Should not be released into the environment. Stop the leakage if possible.

**Methods for cleaning up:** In case of large spillage, contain and collect into suitable containers for disposal. Must be disposed of in accordance with local and national regulations. After cleaning, flush away traces with water.

#### 7. HANDLING AND STORAGE

**Handling:**

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Wear appropriate personal protective equipment when handling this product. Do not get in eyes or on skin.

**Storage:**

Store at room temperature in the original container. Keep tightly closed. Avoid freezing.

**Materials for packaging:**

Suitable material: original container, plastic (PE, PP, PVC), Stainless steel.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| Chemical Name   | CAS No.    | OSHA Exposure Limits | ACGIH Exposure Limits |
|-----------------|------------|----------------------|-----------------------|
| PTSA 0.0000001% | 59572-10-0 | NO DATA              | NO DATA               |

**Engineering Controls:** Ensure adequate ventilation.

**Occupational exposure controls:** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Wash hands before breaks and immediately after handling the product.

**Control of environmental exposure:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Respiratory protection:** For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection:**

Glove material: Nitrile rubber disposable gloves.

**Eye protection:**

Safety glasses with side -shields. Maintain eyewash fountain in work area.

**Skin and body protection:**

Impervious clothing. Maintain safety shower in work area.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |  |
|---|--|
| <p style="text-align: center;"> <b>Odor:</b> Mild<br/> <b>Odor Threshold:</b> ND<br/> <b>Freezing point:</b> &lt; 32 F<br/> <b>Boiling range:</b> ND<br/> <b>Evaporation rate:</b> Similar to Water<br/> <b>Explosive Limits:</b> ND<br/> <b>Autoignition temperature:</b> ND<br/> <b>Specific Gravity:</b> 1.05-1.12<br/> <b>Vapor Density:</b> ND<br/> <b>Appearance:</b> Amber Liquid         </p> | <p style="text-align: center;"> <b>Vapor Pressure:</b> ND<br/> <b>Melting point:</b> ND<br/> <b>Solubility:</b> Complete in water<br/> <b>Flash point:</b> ND<br/> <b>Flammability:</b> ND<br/> <b>Partition coefficient:</b> n-ND octanol/water<br/> <b>Decomposition temperature:</b> ND<br/> <b>Grams VOC less water:</b> ND<br/> <b>pH:</b> 6.5-8.5         </p> |
|---|--|

## 10. STABILITY AND REACTIVITY

**Chemical stability:**

Stable under recommended storage conditions.

**Incompatibility materials:**

Oxidizing agents, Acids, Bases Hazardous reactions: Hazardous polymerization does not occur.

**Hazardous decomposition products:**

Thermal decomposition can lead to release of irritating gases and vapors.

## 11. TOXICOLOGICAL INFORMATION

No Data

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:**

Avoid contaminating waterways

### 13. DISPOSAL CONSIDERATIONS

**Product:**

Must be disposed of in accordance with local and national regulations. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated Packaging:**

Must be disposed of in accordance with local and national regulations. Dispose of as unused product.

### 14. TRANSPORT INFORMATION

| Agency | Proper Shipping Name                        | UN Number Packing Group Hazards Class |
|--------|---|---------------------------------------|
| DOT    | Not Regulated, as it is not dangerous goods |                                       |

### 15. REGULATORY INFORMATION

**SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**

Acute Health Hazard

**Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know Components**

1,3,6,8-Pyrenetetrasulfonic acid, tetra sodium salt, 0.0000001% aqueous solution

**New Jersey Right To Know Components**

1,3,6,8-Pyrenetetrasulfonic acid, tetra sodium salt, 0.000001% aqueous solution

**California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**TSCA:** The components of this solution are listed on the TSCA Inventory

### 16. OTHER INFORMATION

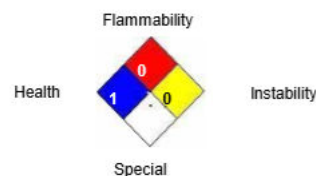
Hazardous Material Information System (HMIS)

National Fire Protection Association (NFPA)

HMIS & NFPA Hazard Rating Legend

\* = Chronic Health Hazard

|                     |   |  |                  |
|---------------------|---|--|------------------|
| HEALTH              |   |  | 0= INSIGNIFICANT |
| FLAMMABILITY        |   |  | 1 = SLIGHT       |
| PHYSICAL HAZARD     | 0 |  | 2 = MODERATE     |
| PERSONAL PROTECTION |   |  | 3 = HIGH         |



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Disclaimer: All information, recommendations and suggestions appearing herein are based upon sources believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity and suitability for its own use of this product. Pyxis Lab, Inc. does not assume any liability arising out of the use by others of this product.