

SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: PTSA-100, PTSA-200, PTSA300, PTSA-400

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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 (CO₂)

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;"> Odor: Mild Odor Threshold: ND Freezing point: < 32 F Boiling range: ND Evaporation rate: Similar to Water Explosive Limits: ND Autoignition temperature: ND Specific Gravity: 1.05-1.12 Vapor Density: ND Appearance: Amber Liquid </p>	<p style="text-align: center;"> Vapor Pressure: ND Melting point: ND Solubility: Complete in water Flash point: ND Flammability: ND Partition coefficient: n-ND octanol/water Decomposition temperature: ND Grams VOC less water: ND pH: 6.5-8.5 </p>
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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, 0.000001% 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

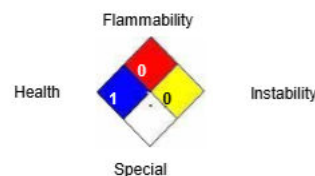
Hazardous Material Information System (HMIS)

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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