

### SECTION 1: IDENTIFICATION

**Product Name:** PS-3909  
**SDS Number:** 250617-01  
**Product Description:** Water Treatment Chemical  
**Revision Date:** 06/27/2025  
**Product Use:** Water Treatment  
**Company:** Apex Water + Process  
12270 43rd Street NE  
St. Michael MN 55376  
**Website:** www.TeamApex.com  
**Contact:** Non-Emergency 1-844-603-4077  
**Emergency Response:** **For Hazardous Materials Incident, Spill, Leak, Fire, Exposure, or Accident Call: CHEMTREC at (800) 424-9300 CCN 1018609**

### SECTION 2: HAZARD IDENTIFICATION

**Hazard Classification:** Skin Irritation, Category 3  
Serious Eye Irritation, Category 2B

**Signal Word(s):** **WARNING**  
**Pictograms:**



**Hazard Statements:** Causes eye irritation.  
Causes mild skin irritation.

#### Precautionary Statements

**Prevention:** Read SDS and label before use. Always wear appropriate PPE. Wash affected body parts thoroughly after handling. Do not eat, drink, or smoke when using this product. Keep out of reach of children. Do not breathe mist/spray.

**Response:** IF SWALLOWED: Do not induce vomiting. Rinse mouth with water; IF ON SKIN OR HAIR: Wash with plenty of water; IF IN THE EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell; IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention.

**Storage:** Store locked up in a well-ventilated area. See Section 7.

**Disposal:** Dispose of contents and container in accordance with federal, state, and local regulations.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	CHEMICAL NAME	% WT
Proprietary	Phosphonic Acid Derivative	1 – 5%
7664-38-2	Phosphoric Acid	< 1%
10294-56-1	Phosphorus Acid	< 1%
1310-73-2	Sodium Hydroxide	1 – 5%

Confidential business information has been removed without affecting the overall safety information on the safety data sheet.

### SECTION 4: FIRST AID MEASURES

**Eyes:** Remove contact lenses. Immediately flush with plenty of water for at least 20 minutes, holding eyelids apart to ensure flushing of the entire surface. Washing within one minute is essential to achieve maximum effectiveness. Seek medical attention.

**Skin Contact:** Immediately flush skin with plenty of soap and water for at least 20 minutes. Remove contaminated clothing and footwear. Wash contaminated clothing before reuse. Get medical attention if irritation develops.

**Ingestion:** If swallowed, DO NOT induce vomiting. Give large amounts of water to drink. Get prompt medical attention. If spontaneous vomiting occurs, keep head below hips to prevent aspiration and monitor for breathing difficulty. Never give anything by mouth to an unconscious person.

**Inhalation:** If inhaled, remove to fresh air. If not breathing via artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

**Note to Physician:** Treat symptomatically and supportively.

### SECTION 5: FIREFIGHTING MEASURES

**Suitable Extinguishing Agents:** Dry chemical, carbon dioxide, water spray, or foam. For larger fires use water spray, fog, or alcohol foam.

**Special Procedures:** Use self-contained breathing apparatus in confined areas; avoid breathing mist or spray. Full protective clothing and approved self-contained breathing apparatus required for firefighting personnel.

**Hazardous Combustion Products:** May produce hazardous fumes or hazardous decomposition products.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Spill Response:** Stop leaks. Clean up spill immediately. Build dikes as necessary to contain flow of large spills. Do not allow liquid to enter stream or waterways. For small spills, use vinegar or citric acid to neutralize, an inert material to absorb. Place contaminated materials into containers and store in a safe place to await proper disposal. Wear adequate personal protective clothing and equipment. Caution: use of vinegar or citric acid may generate carbon dioxide gas. Provide adequate ventilation to spill area. Approved breathing apparatus may be necessary.

**Spill Notification:** Determine if federal, state, and/or local release notification is required.

## SECTION 7:

## HANDLING AND STORAGE

**Advice on Safe Handling:** Keep container closed. Both open and handle containers with care. Store in a cool, well ventilated place away from incompatible materials. Do NOT pressurize, cut, heat, or weld containers. Empty product containers may contain product residue. Do NOT reuse empty containers without commercial cleaning or reconditioning. Avoid contact with eyes, skin and clothing. Avoid breathing mist or vapors. Wash thoroughly after handling. Keep away from heat and open flame. Keep container closed when not in use.

**Conditions for Safe Storage:** Do not use aluminum, copper or mild steel tanks, pumps or piping with this product. Store in glass, stainless steel, plastic or epoxy lined containers. Store in a cool, dry place away from direct heat. Keep container tightly closed when not in use. Do not store in unlined metal containers. This product has a shelf life of at least six months in unopened containers and when stored within the recommended temperature range

## SECTION 8:

## EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control Parameters:** For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL) or OSHA (PEL).

COMPONENT	TYPE	VALUE/NOTATION
Sodium Hydroxide	PEL	2 mg/m <sup>3</sup>
	TWA	2 mg/m <sup>3</sup>

**Engineering Controls:** Provide local exhaust ventilation as needed to control misting. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

**Personal Protective Equipment:**



**Body Protection:** Chemically resistant materials and fabrics. Wear chemically protective boots, aprons and gauntlets to prevent prolonged or repeated skin contact.

**Hand Protection:** Wear chemically resistant protective gloves.

**Eye Protection:** Wear protective eyeglasses or chemical safety splash goggles, per OSHA eye-and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Respiratory Protection:** Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear an MSHA.NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessel or storage tanks), wear and SCBA. Warning! Air-purifying respirators do not protect worker in oxygen-deficient atmospheres. If respirators are used, OSHA requires a written respiratory protection program that

includes at least: medical certification, training, fit testing, periodic environmental monitoring, maintenance, inspection, cleaning and convenient sanitary storage areas.

**Environmental Exposure Controls:** Do not allow the product to be released into the environment.

**Consumer Exposure Controls:** Do not eat, drink or smoke during use.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Amber to brown liquid
<b>Odor:</b>	No appreciable odor
<b>Odor Threshold:</b>	No data available
<b>pH:</b>	> 10 (as is)
<b>Melting Point/Freezing Point:</b>	23°F
<b>Boiling Point/Range:</b>	No data available
<b>Flash Point:</b>	Not flammable
<b>Evaporation Rate:</b>	1.00
<b>Flammability (solid, gas):</b>	N/A
<b>Upper/Lower Explosion Limit:</b>	N/A
<b>Vapor Pressure:</b>	Same as water
<b>Vapor Density:</b>	No data available
<b>Relative Density:</b>	1.07 (@ 25°C)
<b>Water Solubility:</b>	100%
<b>Partition Coefficient: n-octanol/water:</b>	No data available
<b>Auto-ignition Temperature:</b>	No data available
<b>Decomposition Temperature:</b>	No data available
<b>Viscosity:</b>	No data available

**NOTE:** The physical data presented above are typical values and should not be construed as a specification.

## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available
<b>Chemical Stability:</b>	Product is stable under normal storage and use conditions.
<b>Possibility of Hazardous Reactions:</b>	Stable under recommended storage conditions. Products will not undergo polymerization.
<b>Conditions to Avoid:</b>	This material may attack soft metals like aluminum, brass, copper, magnesium and any other soft metal attacked by high alkaline mixtures containing caustic soda.
<b>Incompatible Materials:</b>	Strong acids and strong oxidizers
<b>Hazardous Decomposition Products:</b>	Thermal decomposition may release carbon monoxide, and carbon dioxide.

## SECTION 11: TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	No data available
<b>Eye:</b>	Direct eye contact may cause irritation, redness, swelling and pain that can become severe on prolonged contact.
<b>Skin:</b>	May cause skin irritation, especially on prolonged contact.
<b>Respiratory:</b>	Might produce irritation to respiratory system.
<b>Ingestion:</b>	May be harmful if swallowed. May cause irritation of the mouth throat and stomach. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Germ Cell Mutagenicity:** No data available  
**Carcinogenicity:** No components list as a carcinogen.  
**Reproductive Toxicity:** No data available  
  
**STOT (Single):** No data available  
**STOT (Repeated):** No data available  
**Aspiration Hazard:** No data available

## SECTION 12: ECOLOGICAL INFORMATION

**Aquatic Toxicity:** No data available  
  
**Persistency & Degradability:** No data available  
**Bioaccumulative Potential:** No data available  
**Mobility in Soil:** No data available  
**Other Adverse Effects:** No data available  
**Other information:** No other ecological studies have been carried out on this product.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Disposal Considerations:** DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of. Discarded product, as sold, should not be considered a RCRA Hazardous Waste. Dispose of product in an approved chemical waste landfill or incinerate in accordance with applicable Federal, state and local regulations. Since the emptied container retains product residue, all labeled hazard precautions must be observed. Do NOT mix with other chemical wastes. Do not put solutions containing this product into sewer systems. Do not re-use empty containers.

## SECTION 14: TRANSPORT INFORMATION

**DOT Shipping Name:** This product is not DOT regulated when shipped by road or railway.  
**DOT Hazard Class:** N/A  
**UN Number:** N/A  
**Packing Group:** N/A  
**Environmental Hazards:** Not determined

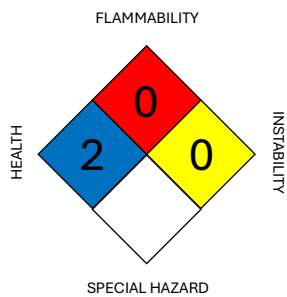
## SECTION 15: REGULATORY INFORMATION

**TSCA Inventory Status:** All ingredients are listed as active on the TSCA inventory  
**DSCL (EEC):** All ingredients are listed as active on the DSCL inventory  
**California Proposition 65:** Not Listed  
**SARA 302:** Not applicable  
**SARA 304:** Not Listed  
**SARA 311:** Acute Health Hazard  
**SARA 312:** Acute Health Hazard  
**CERCLA:** Not Listed

## SECTION 16:

## OTHER INFORMATION

### NFPA:



### Disclaimer:

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

### HMIS III:

0 = Minimal  
1 = Slight  
2 = Moderate  
3 = Serious  
4 = Severe  
\* = Chronic

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0