



PURIFY

SAFETY DATA SHEET

WUC 400

I. IDENTIFICATION

Product Name:
WUC 400

Synonym: N/A

Recommendations / Restrictions on Use:
Use only for proper and legal purposes.
Use as water treatment chemical.

Distributor: Purify
1707 Townhurst Drive
Houston, TX 77043

Phone: 713-463-1929

Website: www.purifywt.com

Emergency Contact: 1-800-424-9300 (CHEMTREC)

II. HAZARDS IDENTIFICATION

Classifications:

Corrosive to Metals, Category 1
Skin Corrosion, Category 1C
Eye Damage, Category 1

Precautionary Statements:

Prevention:

Keep in original container.
Do not breathe mist, vapors, or spray.
Wash thoroughly after handling.
Wear protective gloves, protective clothing, eye protections, and face protection.
Keep container tightly closed and locked up. Store in a corrosive-resistant container with a resistant inner liner.

Hazard Statements:

May be corrosive to metals.
Causes severe skin burns and eye damage.

Contains:

Inorganic phosphates.

Signal Word: Danger

Symbols:



Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
Immediately call a POISON CENTER or doctor.
Wash contaminated clothing before reuse.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
Absorb and collect spillage to prevent material damage.
Dispose of contents and container in accordance with local and national regulations.

III. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	%	The exact concentration is being withheld as a trade secret.
Water	7732-18-5	60-80	
Inorganic Phosphates	Proprietary	20-40	

IV. FIRST AID MEASURES

Eyes:	Immediately flush eyes with running water for at least 20 minutes, keeping eyelids open. Remove any contact lenses. Get immediate medical attention.	Most important symptoms: May cause severe eye irritation with possible eye damage. May cause severe irritation and burns to skin. Inhalation of mists may cause mucous membrane and respiratory irritation. May be harmful or fatal if swallowed.
Skin:	Immediately remove contaminated clothing and wash exposed area thoroughly with soap and water for at least 30 minutes. Get immediate medical attention. Launder clothing before reuse, and discard contaminated shoes.	Immediate medical attention: Immediate medical attention required for all routes of exposure.
Inhalation:	Move to fresh air immediately. If breathing is difficult, give oxygen. If breathing has stopped, administer artificial respiration. Get immediate medical attention.	
Ingestion:	If swallowed, DO NOT induce vomiting. If conscious, give large quantities of water. Never give anything by mouth to an unconscious or convulsing person. Get immediate medical attention.	

V. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire. Cool fire-exposed containers and structures with water.	NFPA Hazard Rating: Health (Blue): 3 Fire (Red): 0 Reactivity (Yellow): 0 Special Instructions (White): None
Specific Hazards Arising from the Chemical: Thermal decomposition may yield oxides of phosphorous.	
Special Protective Equipment and Firefighter Precautions: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Aqueous solutions may cause surfaces to be extremely slippery and cause a slip hazard.	NFPA Hazard Classification: 0=Least 1=Slight 2=Moderate 3=High 4=Extreme
Explosion Data (sensitivity to mechanical impact or static discharge):	None known.

VI. ACCIDENTAL RELEASE MEASURES

Procedures if Released:	Evacuate spill area and keep unprotected personnel away. Wear appropriate protective clothing as described in Section 8. Aqueous solutions may cause surfaces to be extremely slippery and cause a slip hazard.
Containment / Cleaning:	Dike and collect liquid or absorb with an inert absorbent and place in appropriate containers for disposal. Do not store in aluminum containers. Prevent spill from entering sewers and water courses. Report releases as required by local, state and federal authorities.

VII. HANDLING AND STORAGE

Precautions for Safe Handling: Prevent contact with the eyes, skin and clothing. Avoid breathing mists or aerosols. Wear protective clothing and equipment as described in Section 8. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Keep containers closed when not in use.

Do not reuse containers. Empty containers retain product residues and can be hazardous. Follow all SDS precautions when handling empty containers.

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area away from incompatible materials. Protect from physical damage. Do not store in aluminum containers; product will corrode aluminum. Keep in original container.

VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

Inorganic Phosphates: None established.

Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit values.

HMIS Rating:

Health (Blue):	3
Flammability (Red):	0
Physical Hazard (Yellow):	0
PPE (White):	See PPE

Hazard Classification:

0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

INDIVIDUAL PROTECTION MEASURES:

Respiratory: In operations where exposure levels are exceeded, a NIOSH-approved respirator with dust/mist cartridges or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

Skin: Wear impervious gloves such as rubber or neoprene to avoid skin contact.

Eye: Safety goggles recommended.

Other Protective Items: Long-sleeved clothing and long pants recommended to avoid prolonged skin contact. Suitable washing facilities should be available in the work area.

General Hygiene: Practice good personal hygiene after using this material, especially before eating, drinking, smoking, or using the toilet.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	pH:	10 - 12
Appearance:	Clear, slightly viscous, opaque	Solubility in Water:	Soluble
Odor:	None	Odor Threshold:	Not established
Vapor Density:	Same as water	Vapor Pressure:	Same as water
Boiling Point:	~ 212°F / 100°C	Freezing/Melting Point:	~ 32°F / 0°C
Evaporation Rate:	Same as water	Relative Density:	1.27 - 1.35
VOC Content:	0%	Octanol / Water	Not determined
Lower Explosive Limit:	Not applicable	Upper Explosive Limit:	Not applicable
Flash Point:	Not determined	Autoignition Temperature:	Not determined

X. STABILITY AND REACTIVITY

Reactivity:	Not normally reactive.
Chemical Stability:	Stable under normal storage and handling conditions.
Hazardous Reactions:	Product will slowly corrode metals such as aluminum.
Conditions to Avoid:	Avoid contact with aluminum.
Incompatible Materials:	Strong oxidizing agents, strong bases, and aluminum.
Hazardous Decomposition Products:	When heated to decomposition emits toxic oxides of phosphorus.

XI. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Eyes, Skin, Ingestion, and Inhalation	Carcinogenicity: NPT: Not listed. IARC: Not listed. OSHA: Not regulated.
Symptoms of Exposure: Eye Contact: May cause severe irritation with pain and tearing. Corneal damage is possible. Ingestion: Ingestion may cause mucous membrane and gastrointestinal irritation or burns with nausea, vomiting, and diarrhea. Skin Contact: May cause severe irritation or burns. Inhalation: Inhalation of mists may cause severe irritation of the nose throat and upper respiratory tract.	Germ Cell Mutagenicity: None currently known. Reproductive Toxicity: None currently known.
Sensitization: This material is not known to cause sensitization.	
Chronic: Prolonged or repeated ingestion of inorganic phosphates have been shown to cause kidney damages in studies with laboratory animals.	
Numerical Measures of Toxicity: Inorganic Phosphates: Oral rat LD50 – 2980 mg/kg Skin rabbit LD50 – 7940 mg/kg	

XII. ECOLOGICAL INFORMATION

Ecotoxicity: Inorganic Phosphates: 48hr EC50 Daphnia magna - >100 mg/L 96 hr LC50 Rainbow trout - >100 mg/L 96 hr LC50 Mysid shrimp - >100 mg/L	Bioaccumulative Potential: No data available. Mobility in Soil: No data available. Other Adverse Effects: None known.
Persistence and Degradability: Biodegradation is not applicable to inorganic substances.	

XIII. DISPOSAL CONSIDERATIONS

Waste Disposal: Always dispose of material in accordance with local, state, and federal regulations.

XIV. TRANSPORT INFORMATION

Proper Shipping Name: Corrosive Liquid, Basic, Inorganic, n.o.s (Inorganic Phosphate)

DOT Classification: 8 **Packing Group:** 3

Identification Number: UN3266 **Other Labels:** Corrosive

Note: If RQ for Zinc Chloride is exceeded, the following should be used: UN3264, Corrosive liquid, acidic, inorganic, n.o.s. (Phosphoric Acid, Zinc Chloride), 8, PGIII RQ

XV. REGULATORY INFORMATION

CERCLA: This product is not subject to CERCLA release reporting. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category: Acute Health
(311/312)

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372):
None

EPA TSCA Inventory: All of the ingredients in this product are listed on the EPA TSCA Inventory.

CANADA: This product has been classified under the CPR and this SDS discloses information elements required by the CPR.

Canadian CEPA: All the components of this product are listed on the Canadian DSL.

Canadian WHIMIS: Class E (Corrosive)

XVI. OTHER INFORMATION

Revision Notes: Rev. 12/20/2018



PURIFY

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Houston, TX 777043
713-463-1929
www.purifywt.com

24 Hour Emergency Phone: 1-800-424-9300

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