

# SAFETY DATA SHEET



Revision date 30-Jun-2025

Revision Number 1

## 1. Identification

### Product identifier

**Product Name** UltraPHOSx 1000

### Other means of identification

**Product Code(s)** 3264D-1

**Synonyms** Inorganic metal salt in aqueous solution

### Recommended use of the chemical and restrictions on use

**Recommended use** Phosphorous removal.

**Restrictions on use** None known.

### Details of the supplier of the safety data sheet

#### Supplier Address

USALCO, LLC  
2601 Cannery Ave.  
Baltimore, MD 21226  
+1-800-453-2586 Hours: Monday - Friday  
9:00 - 5:00 CST (Central Standard Time)

#### Manufacturer Address

USALCO, LLC  
2601 Cannery Ave.  
Baltimore, MD 21226

**Contact Point** sds@usalco.com

**Emergency Telephone** Emergency Telephone: 1-(800)-282-5322 (24 hr)  
CHEMTREC: 1-(800) 424-9300 (For Transportation Emergencies)  
Outside USA: 1-(703) 527-3887 (Collect Calls Accepted)

## 2. Hazard(s) identification

### Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2B

### Hazards not otherwise classified (HNOC)

Not applicable.

### Label elements

#### **WARNING**

#### Hazard statements

Causes skin irritation and serious eye irritation.

**Appearance** Clear to slightly hazy**Physical state** Liquid**Odor** No appreciable odor**Precautionary Statements - Prevention**

Wash hands, face and any exposed skin thoroughly after handling.  
 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statements - Response**

IF ON SKIN: Wash with plenty of soap and water. If irritation occurs: Get medical help. Take off contaminated clothing and wash before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Other information**

May be harmful in contact with skin.

### 3. Composition/information on ingredients

**Substance****Synonyms**

Inorganic metal salt in aqueous solution.

Chemical name	CAS No	Weight-%	Trade secret
Water	7732-18-5	50 - 70	*
Trade secret	Trade secret	20 - 40	*
Trade secret	Trade secret	5 - 15	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret. While some components are claimed as trade secret in accordance with the provision of OSHA 29 CFR 1910.1200(i), all known hazards are clearly communicated within this document.

### 4. First-aid measures

**Description of first aid measures****General advice**

Get medical attention immediately if symptoms occur. Show this safety data sheet to the doctor in attendance.

**Inhalation**

Move victim to fresh air.

**Eye contact**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

**Skin contact**

Immediately wash thoroughly with soap and water, remove contaminated clothing and footwear. Wash clothing before reuse. Get medical attention if irritation should develop.

**Ingestion**

Rinse mouth thoroughly with water.

**Most important symptoms and effects, both acute and delayed****Symptoms**

Possible eye, skin and respiratory tract irritation.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

**5. Fire-fighting measures**

**Suitable Extinguishing Media** Water Spray, Carbon Dioxide, Foam, Dry Chemical.  
**Large Fire** CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

**Specific hazards arising from the chemical** May produce hazardous fumes or hazardous decomposition products.

**Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**Special protective equipment for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Wear protective gloves/protective clothing and eye/face protection.

**Other information** Refer to protective measures listed in Sections 7 and 8.

**For emergency responders** Use personal protection recommended in Section 8.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so. Soak up condensate with inert absorbent material and collect in ventilated waste container for disposal. Build dikes as necessary to contain flow of large spills. Do not allow liquid to enter streams or waterways.

**Methods for cleaning up** Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

**Prevention of secondary hazards** Do not permit run-off to get into sewers or surface waterways.

**7. Handling and storage****Precautions for safe handling**

**Advice on safe handling** Keep container closed when not in use. Keep away from heat and open flame. Avoid contact with skin, eyes or clothing. Wear chemical splash goggles, gloves, and protective clothing when handling. Avoid breathing vapors or mists. Use with adequate ventilation and employ respiratory protection where mist or spray may be generated.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Store in a cool, dry place away from direct heat. Keep in tightly closed container. Store locked up. Store away from incompatible materials.

## 8. Exposure controls/personal protection

### Control parameters

**Exposure Limits** Not available.

### **Biological occupational exposure limits**

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

### Appropriate engineering controls

**Engineering controls** Local exhaust ventilation as necessary to maintain exposures to within applicable limits. Please refer to the ACGIH document, 'Industrial Ventilation, A Manual of Recommended Practices', most recent edition, for details. If there are no applicable or established exposure limit requirements or guidelines, general ventilation should be sufficient. Ensure that eyewash stations and safety showers are close to the workstation location.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear chemical splash goggles and face shield (when eye and face contact is possible due to splashing or spraying of material).

**Hand protection** Appropriate chemical resistant gloves should be worn.

**Skin and body protection** Standard work clothing and work shoes.

**Respiratory protection** If exposures exceed the PEL or TLV, use NIOSH/MSHA approved respirator in accordance with OSHA Respiratory Protection Requirements under 29 CFR 1910.134.

**Environmental exposure controls** Do not allow liquid to enter streams or waterways.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice. Ensure that eyewash stations and safety showers are close to the workstation location. Do not eat, drink or smoke when using this product.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

**Physical state** Liquid  
**Appearance** Clear to slightly hazy  
**Color**  
**Odor** No appreciable odor  
**Odor threshold** Not applicable.

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	3.0 - 4.0	As is.
Melting point / freezing point	< -40 °C (-40 °F)	
Boiling point / boiling range	~ 100 °C (212 °F)	
Flash point	Not applicable.	
Evaporation rate	Not determined.	
Flammability (solid, gas)	Not applicable.	
Flammability Limit in Air		
Upper flammability or explosive limits	Not applicable.	
Lower flammability or explosive limits	No data available.	
Vapor pressure	Not determined.	
Relative vapor density	Not determined.	
Relative density	1.416 1.565	
Water solubility	Soluble in water	

<b>Solubility(ies)</b>	No data available.
<b>Partition coefficient</b>	Not determined.
<b>Autoignition temperature</b>	Not applicable.
<b>Decomposition temperature</b>	Not determined.
<b>Kinematic viscosity</b>	Not determined.
<b>Dynamic viscosity</b>	Not determined.
<b><u>Other information</u></b>	
<b>Explosive properties</b>	Not an explosive.
<b>Oxidizing properties</b>	Not expected to be oxidizing based on the chemical structure.
<b>VOC Content (%)</b>	No information available
<b>Liquid Density</b>	11.82 - 13.06 lbs./gal.

## 10. Stability and reactivity

<b>Reactivity</b>	No data available.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	None under normal processing.
<b>Hazardous polymerization</b>	No.
<b>Conditions to avoid</b>	Incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	None known.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	None known.
<b>Eye contact</b>	Contact with eyes may cause irritation.
<b>Skin contact</b>	Contact with skin may cause irritation.
<b>Ingestion</b>	Expected to be low ingestion hazard.

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Symptoms</b>	Eye contact: Adverse symptoms may include the following: watering, redness. and irritation. Skin contact: Adverse symptoms may include the following: irritation and redness.
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### Acute toxicity

<b>Numerical measures of toxicity</b>
No information available

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg ( Rat )	-	-
Trade secret	= 2111 mg/kg ( Rat )	-	-
Trade secret	= 4184 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	-

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Skin corrosion/irritation</b>	May cause skin irritation.
<b>Serious eye damage/eye irritation</b>	May cause eye irritation.
<b>Respiratory or skin sensitization</b>	No data available.
<b>Germ cell mutagenicity</b>	No data available.
<b>Carcinogenicity</b>	This product does not contain any components in concentrations greater than or equal to 0.1% that are listed as known or suspected carcinogens by NTP, IARC, ACGIH, or OSHA.
<b>Reproductive toxicity</b>	No data available.
<b>Developmental toxicity</b>	No data available.
<b>STOT - single exposure</b>	No data available.
<b>STOT - repeated exposure</b>	No data available.
<b>Aspiration hazard</b>	No data available.
<b>Other adverse effects</b>	None known.
<b>Interactive effects</b>	None known.

## 12. Ecological information

<b>Ecotoxicity</b>	The environmental impact of this product has not been fully investigated.
<b>Persistence and degradability</b>	Not determined.
<b>Bioaccumulation</b>	No information available.
<b>Other adverse effects</b>	No information available.

## 13. Disposal considerations

### Waste treatment methods

<b>Waste from residues/unused products</b>	Dispose of in accordance with federal, state and local regulations.
<b>Contaminated packaging</b>	Since empty containers retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

DOT Chemical, NOI, Not Regulated by DOT

TDG Not regulated

Technical Name

IATA Not regulated

IMDG Not regulated

## 15. Regulatory information

### International Inventories

**TSCA** Contact supplier for inventory compliance status.

Chemical name	CAS No	US TSCA Inventory listing	US TSCA inactive/active designation
Water	7732-18-5	Present	Active
Trade secret	-	Present	Active
Trade secret	-	Present	Active

**DSL/NDSL** Listed on NDSL.  
**EINECS/ELINCS** Some ingredients are not on the EINECS inventory. None of the ingredients are on the ELINCS inventory.  
**ENCS** Not Listed.  
**IECSC** Not determined.  
**KECL** Not determined.  
**PICCS** Not Listed.  
**AICS** Not determined.

#### **Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

### US Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### **SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

### US State Regulations

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated under applicable state right-to-know regulations

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable.

## 16. Other information

<b>NFPA</b>	<b>Health hazards</b> 1	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Special hazards</b> Not applicable
<b>HMIS</b>	<b>Health hazards</b> 1	<b>Flammability</b> 0	<b>Physical hazards</b> 0	<b>Personal protection</b> Not applicable.

**Key or legend to abbreviations and acronyms used in the safety data sheet****Legend Section 8: Exposure controls/personal protection**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 EPA (Environmental Protection Agency)  
 Acute Exposure Guideline Level(s) (AEGl(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 Japan GHS Classification  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
 Organization for Economic Co-operation and Development Screening Information Data Set  
 World Health Organization

**Revision date** 30-Jun-2025

**Revision Note**

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

**End of Safety Data Sheet**