

---

**PHOSZERO 1500**

---

**1 PRODUCT AND COMPANY IDENTIFICATION**

**Product Identifier:** PHOSZERO 1500  
**Common Name:** MXITURE  
**SDS Number:** 0470  
**Revision Date:** 2/23/2015  
**Version:** 2  
**Internal ID:** 100C  
**Product Use:** Scale & Corrosion Inhibitor  
**Supplier Details:** U.S. Water Services  
12270 43rd St. NE  
St. Michael, MN 55376

**Contact:** Non-emergency #: 866-663-7632  
**Email:** SDS@uswaterservices.com  
**Web:** www.uswaterservices.com

**EMERGENCY RESPONSE: (ChemTel)**  
**US & Canada: 800-255-3924**  
**International: +01-813-248-0585**

**2 HAZARDS IDENTIFICATION****Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):**

Health, Acute toxicity, 5 Inhalation  
Health, Acute toxicity, 5 Oral  
Health, Acute toxicity, 5 Dermal  
Health, Skin corrosion/irritation, 2  
Health, Serious Eye Damage/Eye Irritation, 2 B

**GHS Label elements, including precautionary statements**

**GHS Signal Word:** WARNING

**GHS Hazard Pictograms:****GHS Hazard Statements:**

H333 - May be harmful if inhaled  
H303 - May be harmful if swallowed  
H313 - May be harmful in contact with skin  
H315 - Causes skin irritation  
H320 - Causes eye irritation

**GHS Precautionary Statements:**

P281 - Use personal protective equipment as required.  
P302+352 - IF ON SKIN: Wash with soap and water.

## PHOSZERO 1500

P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P304+341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P313 - Get medical advice/attention.

**Hazards not otherwise classified (HNOC) or not covered by GHS**

PPE recommendation is advisory only and based on typical use conditions. An industrial hygienist or safety officer familiar with the specific situation of anticipated use must determine actual PPE required when using this product (29 CFR 1910.132)

3

**COMPOSITION/INFORMATION ON INGREDIENTS****Ingredients:**

No OSHA hazardous ingredients

4

**FIRST AID MEASURES**

**Inhalation:** Remove from contamination. If symptoms persist, seek medical attention.

**Skin Contact:** Wash off with soap and plenty of water. Remove contaminated clothing and wash or destroy. Seek medical attention if irritation develops.

**Eye Contact:** Flush eyes with plenty of running water for at least 15 minutes. Seek immediate medical attention.

**Ingestion:** If conscious, rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Seek medical attention.

**Most important symptoms & effects (acute & delayed):** No data available

**Indication of need for immediate medical attention:** No data available

**Special treatment needs:** No data available

5

**FIRE FIGHTING MEASURES**

**Flash Point:** None

**Flash Point Method:** Pensky Martens Closed Cup

**Burning Rate:** Not applicable

**Autoignition Temp:** Not applicable

**LEL:** Not applicable

**UEL:** Not applicable

**Special protective equipment/precautions:** Wear self-contained breathing apparatus

**Extinguishing Media: Suitable:** Use extinguishing media suitable for surrounding fire.

**Unsuitable:** No information available.

**Hazardous combustion Products:** Thermal decomposition under fire conditions may produce toxic nitrogen dioxide fumes.

**Unusual fire or explosion hazards:** None Known.

## PHOSZERO 1500

**6 ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective equipment, emergency procedures:** Avoid contact with the material. See section 8 of SDS for PPE recommendations

**Environmental Precautions:** Keep runoff from entering drains or waterways

**Spill/Leak procedures:** Contain spill or leak. Dike area if necessary to prevent spill from spreading or entering sewers and waterways. Recover as much as possible then absorb remainder with inert material. Place into closed container for disposal.

**Regulatory Requirements:** Dispose of recovered material in accordance with all applicable state and federal regulations.

**7 HANDLING AND STORAGE**

**Handling Precautions:** Avoid contact with eyes, skin, or clothing. Do not taste or swallow. Do not inhale vapor or mist. Use with adequate ventilation. For industrial use only!

**Storage Requirements:** Store in closed containers away from temperature extremes and incompatible materials. Store in properly labeled containers in accordance with all local, state and federal guidelines.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Controls:** Provide local exhaust ventilation as needed to control misting.  
**Personal Protective Equipment:** HMIS PP, C | Safety Glasses, Gloves, Apron

**Respiratory protection:** Not required under normal use conditions. If needed use MSHA/NIOSH approved respirator. Seek professional advice prior to respirator selection and use. Follow all requirements of OSHA respirator regulations (29 CFR 1910.134)

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**General Hygiene:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, using the toilet, or applying cosmetics.

PPE recommendation is advisory only and based on typical use conditions. An industrial hygienist or safety officer familiar with the specific situation of anticipated use must determine actual PPE required when using this product (29 CFR 1910.132)

**Exposure Limits:**  
USA OSHA (TWA)/PEL): 2mg/m<sup>3</sup>

**9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Amber	<b>Odor:</b>	Slightly sweet
<b>Physical State:</b>	Liquid	<b>Solubility:</b>	Complete
<b>Odor Threshold:</b>	No data available	<b>Freezing/Melting Pt.:</b>	No data available
<b>Spec Grav./Density:</b>	9.43 Lb/Gal	<b>Flash Point:</b>	None
<b>Viscosity:</b>	No data available	<b>Vapor Density:</b>	No data available
<b>Boiling Point:</b>	No data available	<b>Auto-ignition Temp:</b>	No data available
<b>Vapor Pressure:</b>	No data available		

---

**PHOSZERO 1500**

---

pH: 3.7 UFL/LFL: No data available  
Evap. Rate: No data available  
Decomp Temp: No data available

**10 STABILITY AND REACTIVITY**

**Stability:** Product is stable under normal storage and use conditions.  
**Conditions to Avoid:** Avoid temperature extremes. Protect from freezing  
**Materials to Avoid:** Strong oxidizing agents, strong acids  
**Hazardous Decomposition:** None under normal storage and use conditions. See section 5.  
**Hazardous Polymerization:** Will not occur.

**11 TOXICOLOGICAL INFORMATION**

**Acute Toxicity:** No data available  
**Skin Corrosion/Irritation:** No data available  
**Serious eye damage/irritation:** No data available  
**Respiratory or skin sensitization:** No data available  
**Specific target organ toxicity (single exposure):** No data available  
**Specific target organ toxicity (repeated exposure):** No data available  
**Aspiration hazard:** No data available  
**Carcinogenicity:** No carcinogenic effects are known for the components of this product  
**Germ Cell Mutagenicity:** No mutagenic effects are known for the components of this product  
**Teratogenicity:** No teratogenic effects are known for the components of this product

**12 ECOLOGICAL INFORMATION****Aquatic Toxicity  
Acute:**

Species	Test Duration	LC50
Water Flea ( <i>Daphnia magna</i> )	48 hour	3300 mg / L
Water Flea ( <i>Ceriodaphnia dubia</i> )	48 hour	3540 mg / L
Fathead Minnow ( <i>Pimephales promelas</i> )	96 hour	2100 mg / L
Sheepshead Minnow ( <i>Cyprinodon variegates</i> )	96 hour	2830 mg / L
Rainbow Trout ( <i>Oncorhynchus mykiss</i> )	96 hour	1260 mg / L
Midge Fly Larvae ( <i>Chironomus dilutes</i> )	48 hour	5550 mg / L
Amphipod Crustacean ( <i>Hyalella Azteca</i> )	48 hour	1770 mg / L
Black Worm ( <i>Lumbriculus variegatus</i> )	96 hour	13200 mg / L

## PHOSZERO 1500

**Chronic:**

Species	Test Duration	IC25
Water Flea ( <i>Daphnia magna</i> )	21 days	1750 mg / L
Water Flea ( <i>Ceriodaphnia dubia</i> )	7 days	830 mg / L
Fathead Minnow ( <i>Pimephales promelas</i> )	7 days	1430 mg / L

**Elimination** (persistence & degradability): No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Other adverse effects:** No data available

**13****DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local regulations.

This material should be fully characterized for toxicity and possible reactivity prior to disposal (40 CFR 261). Use which results in chemical or physical change or contamination may subject it to regulation as a hazardous waste. Along with properly characterizing all waste materials, consult state and local regulations regarding the proper disposal of this material.

Container contents should be completely used and containers should be emptied prior to discard. Container rinsate could be considered a RCRA hazardous waste and must be disposed of with care and in full compliance with federal, state and local regulations. Larger empty containers, such as drums, should be returned to the distributor or to a drum reconditioner. To assure proper disposal of smaller empty containers, consult with state and local regulations and disposal authorities.

**14****TRANSPORT INFORMATION**

Proper Shipping Name: Non-regulated (DOT Transportation data (49 CFR 172.101))

## PHOSZERO 1500

**15**
**REGULATORY INFORMATION**

COMPONENT / (CAS/PERC) / CODES

-----

REGULATORY KEY DESCRIPTIONS

-----

- CERCLA = Superfund clean up substance
- CSWHS = Clean Water Act Hazardous substances
- MASS = MA Massachusetts Hazardous Substances List
- OSHAWAC = OSHA Workplace Air Contaminants
- PA = PA Right-To-Know List of Hazardous Substances
- TSCA = Toxic Substances Control Act
- TXAIR = TX Air Contaminants with Health Effects Screening Level

**EPA / CERCLA / SARA TITLE III:**

**Toxic Chemical List (SARA 313):** This product does not contain any chemicals subject to routine annual toxic chemical release reporting.

**Extremely Hazardous Substance (SARA 302/304):** This product does not contain any extremely hazardous substances subject to emergency planning requirements.

**California Proposition 65:** This product does not contain any chemicals known to the state of California to cause cancer, birth defects, or any other reproductive harm.

**16**
**OTHER INFORMATION**

HMIS III:        Health = 1, Fire = 0, Physical Hazard = 0  
 HMIS PPE:      C - Safety Glasses, Gloves, Apron

HMIS	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	C

**Author:** U.S. Water Services

**Revision Notes:** Updated to GHS format

**Disclaimer:**

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s). The above information is not claiming characteristics of the product in term of legal claims of performance / guarantee. This information only describes safety measures and no liability may arise from the use or application of the product described herein. This information is given in good faith and based on our current knowledge of the product.