

PHOSZERO 1400**1 PRODUCT AND COMPANY IDENTIFICATION**

Product Identifier: PHOSZERO 1400
Common Name: MIXTURE
SDS Number: 0450
Revision Date: 2/23/2015
Version: 2
Internal ID: 100C
Product Use: Cooling Water 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.

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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.

Eye Contact: Flush eyes with plenty of running water for 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.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective equipment, emergency procedures: Avoid contact with the material. See

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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/m³

9**PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Amber

Physical State: Liquid

Odor Threshold: No data available

Spec Grav./Density: 10.16 Lb/Gal

Viscosity: No data available

Boiling Point: No data available

Partition Coefficient: No data available

Vapor Pressure: No data available

pH: 4.4

Evap. Rate: No data available

Odor: Acrid

Solubility: Complete

Freezing/Melting Pt.: No data available

Flash Point: None

Vapor Density: No data available

Auto-Ignition Temp: No data available

UFL/LFL: No data available

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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	3790 mg / L
Fathead Minnow (<i>Pimephales promelas</i>)	96 hour	2100 mg / L
Rainbow Trout (<i>Oncorhynchus mykiss</i>)	96 hour	1860 mg / L

Chronic:

Species	Test Duration	IC25
Water Flea (<i>Daphnia magna</i>)	21 days	1630 mg / L
Fathead Minnow (<i>Pimephales promelas</i>)	7 days	3370 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

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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)

15 REGULATORY INFORMATION**Component (CAS#) [%] - CODES**

N/A

Regulatory CODE Descriptions

CERCLA = Superfund clean up substance
CSWHS = Clean Water Act Hazardous substances
MASS = MA Massachusetts Hazardous Substances List
OSHA = 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.

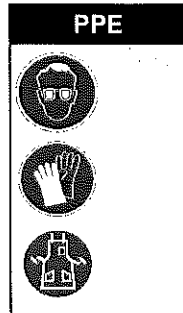
California Proposition 65: This product does not contain any chemicals known to the state of California to cause cancer, birth defects, or any other reproductive harm.

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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



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Revision Notes: Updated to GHS format

Disclaimer:

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