

HarChem

H₂O

Water Services

PO Box 310, Muldrow, OK 74948

SAFETY DATA SHEET

Phosphoric Acid 50%

SECTION 1: IDENTIFICATION

MANUFACTURER/ DISTRIBUTOR

HarChem Water Services

P.O. Box 310

Muldrow, OK 74948

Emergency Telephone Number:

479-806-0266 24 hours everyday

918-427-0777

Chemtec 1-(800)-262-8200

RECOMMENDED USES: Cooling Water Treatment

SECTION 2: HAZARD IDENTIFICATION

Ingredient (s)	CAS#	% (by weight)
----------------	------	---------------

Phosphoric Acid	7664-38-2	0-50
-----------------	-----------	------

HAZARD STATEMENTS: Causes irritation to skin and eyes. Do not get in eyes, on skin or on clothing.

PICTOGRAM REPRESENTATION:



HAZARD CLASSIFICATION:

Eye Irritation: Category III

Skin Irritation: Category I

Acute Oral Toxicity: Category III

Acute Inhalation Toxicity: Category III

SIGNAL WORD (IF APPLICABLE): Irritant

POTENTIAL HEALTH EFFECTS: EYES: Can result in corneal damage or blindness.

POTENTIAL HEALTH EFFECTS: SKIN: Can cause produce inflammation and blistering.

POTENTIAL HEALTH EFFECTS: INGESTION: Do not take internally.

POTENTIAL HEALTH EFFECTS: INHALATION: Will produce irritation of gastro intestinal or respiratory tract characterized by redness, water and itching.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

MOLECULAR FORMULA: N/A

MOLECULAR WEIGHT: g/mol

GENERAL USE: Cooling Water Treatment

SECTION 4. FIRST AID MEASURES

EYES: Immediately flush for at least 15 minutes while holding eyelids open. Call a physician at once.

SKIN: Remove contaminated clothing and place under deluge shower.

INGESTION: Do not induce vomiting. Loosen clothing. If the victim is not breathing, perform mouth-to-mouth resuscitation. Call a physician.

CAUTION: If unconscious, having trouble breathing or in convulsions, do not induce vomiting or give water.

SECTION 5: FIRE-FIGHTING MEASURES

FLASH POINT: Non-flammable

AUTOIGNITION: N/A

EXTINGUISHING MEDIA: N/A

FIRE / EXPLOSION HAZARDS: N/A

FIRE FIGHTING PROCEDURES: N/A

SECTION 6: ACCIDENTAL RELEASE MEASURES

IN CASE OF TRANSPORTATION ACCIDENTS, CALL THE FOLLOWING 24-HOUR TELEPHONE NUMBER (800) 732-9876

SPILL CONTROL AND RECOVERY:

Small liquid spills: Use appropriate to put the spilled solid in a convenient waste disposal container. If necessary: Neutralize the residue with diluted solution of sodium carbonate.

Large liquid spills: Corrosive solid. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Neutralize the residue with a diluted solution of sodium carbonate. Be careful that the product is not present at a concentration level above TLV. Check TLV on MSDS and local authorities.

SECTION 7: HANDLING AND STORAGE:

Precautions: Keep container dry. Do not breathe in dust. Never add water to this product in case of insufficient ventilation, wear suitable respiratory equipment if you feel unwell, seek medical attention and show label when possible. Avoid contact with skin and eyes. Keep away from incompatibles such as metals, alkalis, and moisture.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PRIMARY ROUTE(S) OF EXPOSURE: Eye, Skin

EYE CONTACT: Can cause severe irritation.

SKIN CONTACT: Can cause severe irritation.

SYMPTOMS OF EXPOSURE:

ACUTE: Severe irritation of eyes and/or skin.

RESPIRATORY PROTECTION: Vapor or dust respirator

For large spills, entry into large tanks, vessels or enclosed small spaces with inadequate ventilation, a pressure-demand, self-contained breathing apparatus is recommended.

VENTILATION: Use ventilation to keep exposure to airborne contaminants below the exposure limit.

PROTECTIVE EQUIPMENT: Use impermeable gloves and chemical splash goggles (ANSI Z 87.1 requirements and selection of gloves, goggles, shoes, etc.) when attaching feeding equipment or doing maintenance. If clothing is contaminated, remove clothing and thoroughly wash the affected area. Launder contaminated clothing before reuse.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

COLOR: N/A

FORM: solid

ODOR: N/A

DENSITY: N/A

SOLUBILITY IN WATER: Easily soluble in cold water

SPECIFIC GRAVITY: N/A

pH (1% soln/water): 2 [Acidic]

VISCOSITY: N/A

FREEZE POINT: N/A

MELTING POINT: N/A

FLASH POINT: N/A

NOTE: These physical properties are typical values for this product.

SECTION 10. STABILITY AND REACTIVITY

Stability: The product is stable

Instability temperature: Not available

Conditions of instability: Not available

Incompatibility with various substances: reactive with metals, alkalis and moisture.

Corrosively: non-corrosive in presence of glass.

Special remarks on reactivity: N/A

Special remarks on corrosively: N/A

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY STUDIES: Acute toxicity have been conducted on this product. The results are shown below.

ACUTE ORAL TOXCITY (ALBINO RATS): N/A

SKIN IRRITATION INDEX DRAIZE RATING: 3.2/80 moderately irritating

SECTION 12. ECOLOGICAL INFORMATION

If released into the environment, see CERCLA in Section 14.

SECTION 13. DISPOSAL CONSIDERATIONS

DISPOSAL: If this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261, since it does not have the characteristics of Subpart C, (i.e. D001 through D017) nor is it listed under Subpart D.

SECTION 14: TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME/HAZARD CODE – Corrosive Solid, acidic, inorganic, n.o.s. (metaphosphoric acid) UN3260 PG:III

CONTAINS- Phosphoric Acid

SECTION 15: REGULATORY INFORMATION

Federal and State Regulations: TSCA 8(b) inventory: Phosphoric acid, Meta

Other regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada): Class E: Corrosive solid.

DSCL (EEC): R34-Causes burns

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 0

Reactivity: 2

Personal Protection: j

National Fire Protection Association (U.S.A.):

Health: 3

Flammability: 0

Reactivity: 0

Specific Hazards:

Protective Equipment:

Gloves, lab coat and vapor and dust respirator. Be sure to use and approved/ certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

SECTION 16: OTHER INFORMATION

Date of Preparation: 05/25/08

Last Revision: 8/14/15