SAFETY DATA SHEET

Date Issued : 01/17/2023
SDS No. : Clearwater Metal Control

Clear Water Metal Control

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Clear Water Metal Control
GENERAL USE: Metal control for swimming pools.

DISTRIBUTOR

Clearwater Pools, Spas & Supplies, LLC.
4001 Hwy. 190 E. Service Rd.
Covington, LA 70433
Emergency Phone: (985) 966-5652

2. HAZARDS IDENTIFICATION

GHS LABEL



Corrosion

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H314: Causes severe skin burns and eye damage.
H303: May be harmful if swallowed.
H290: May be corrosive to metals.

PRECAUTIONARY STATEMENT(S)

General:

P234: Keep only in original packaging.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P264: Wash ... thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container to ...
P262: Do not get in eyes, on skin, or on clothing.

POTENTIAL HEALTH EFFECTS

EYES: Corrosive. Causes eye burns and permanent tissue damage.

SKIN: Corrosive. Causes permanent skin damage.

INGESTION: Corrosive to mouth, esophagus and stomach.

INHALATION: Mist may be severely irritating to nose, throat and lungs depending upon concentration and duration of exposure.

CARCINOGENICITY: Not listed by NTP, IARC or OSHA.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Phosphonic Acid, (1-hydroxyethylidene)bis-	10 - 20	2809-21-4

COMMENTS: Proprietary blend. Ingredients in this section have been determined to be hazardous as defined by 29CFR 1910.1200.

4. FIRST AID MEASURES

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EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

SKIN: Immediately wash with large amounts of water; use soap, if available. Remove contaminated clothing, including shoes, after washing has begun. Get immediate medical attention.

INGESTION: Do not induce vomiting. If individual is conscious, give milk or water to dilute stomach contents. Keep warm and quiet. Get prompt medical attention. Do not attempt to give anything to an unconscious person.

If spontaneous vomiting occurs, keep head below hips to prevent aspiration and monitor for breathing difficulty.

INHALATION: Immediately move the victim from exposure and get immediate medical attention. If breathing is difficult, give oxygen. If breathing stops, give artificial respiration.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

FIRE FIGHTING PROCEDURES: Material will not burn. Containers can build up pressure if exposed to heat (fire). Use water spray to cool fire-exposed surfaces and to protect personnel.

FIRE FIGHTING EQUIPMENT: Firefighters should wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Contain spilled material with sand or earth. Recover by pumping or with suitable absorbent.

LARGE SPILL: Prevent additional discharge of material if able to do so without hazard. Warn downwind areas of corrosive release hazard. Advise authorities.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Prevent spill rinsate from contamination of storm drains, sewers, soil or groundwater.

GENERAL PROCEDURES: Material is water soluble/dispersble and may not be recoverable.

7. HANDLING AND STORAGE

HANDLING: Keep container closed. Both open and handle container with care. Store in a cool, well ventilated place away from imcompatible materials.

Do not pressurize, cut or heat container. Empty product containers may contain product residue. Do not reuse empty containers.

STORAGE: Corrosive to most metals, including carbon steel, aluminum/aluminum alloys and copper /copper alloys.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
	EXPOSURE LIMITS			
Chemical Name	**Type**		**ppm**	**mg/m³**
Phosphonic Acid, (1-hydroxyethylidene)bis-	**OSHA PEL**	**TWA**	ppm [1]	mg/m3 [1]
		STEL	ppm	mg/m3
	ACGIH TLV	**TWA**	ppm	mg/m3
		STEL	ppm	mg/m3
	Supplier OEL	**TWA**	NL	NL
		STEL	NL	NL
Footnotes: **1**. NL = Not Listed				

ENGINEERING CONTROLS: Local exhaust.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Chemical splash goggles and face shield.

SKIN: Chemical-resistant gloves.

RESPIRATORY: Where overexposure by inhalation may occur; or other means of exposure reduction are not adquate, approved respirators may be necessary.

WORK HYGIENIC PRACTICES: Provide safety shower and eyewash station in the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Faint.

APPEARANCE: Yellow Liquid.

pH: < 2.0

FLASHPOINT AND METHOD: > 100°C (212°F) TAG CC

EXPLOSION LIMITS: Non-flammable.

BOILING POINT: > 100°C

FREEZING POINT: < 0°C

SOLUBILITY IN WATER: Soluble

SPECIFIC GRAVITY: 1.05 to 1.060

10. STABILITY AND REACTIVITY

REACTIVITY: Yes

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Contact with common metals might produce flammable hydrogen gas.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of phosphorous and carbon; acids of phosphorous, phosphine, oxides of carbon, oxides of nitrogen.

INCOMPATIBLE MATERIALS: Strong oxidizers and strong alkalis.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

ORAL LD_{50}: 1800 mg/kg (mice)

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NOTES: Listed amounts are for neat product.

STOT-SINGLE EXPOSURE: Neat product may cause damage to the following organs: blood, gastrointestinal tract, upper respiratory tract, skin, eyes, bones.

12. ECOLOGICAL INFORMATION

GENERAL COMMENTS: Listed information is for neat product.

COMMENTS: LC50 = 527 mg/l 48 hours Daphnia magna
LC50 = 368 mg/l 96 hours Rainbow Trout
LC50 = 868 mg/l 96 hours Bluegille sunfish

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with all applicable regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Corrosive Liquid, Acidic, Organic, N.O.S. (Phosphonic acid)

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN 3265

PACKING GROUP: III

REPORTABLE QUANTITY (RQ) UNDER CERCLA: None

OTHER SHIPPING INFORMATION: DOT exception 173.154 - this product qualifies as a Limited Quantity when inner packaging does not exceed 1.3 gallons.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HEALTH HAZARDS: Hazard Categories: Health: Immediate (Acute) Health Hazard

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: No components of this product are present above the de minimus levels.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All components are listed on the TSCA Inventory.

RCRA STATUS: When disposed of, this product may be regulated as a RCRA Hazardous Waste with the characteristic of corrosivity due the pH of the neat material.

16. OTHER INFORMATION

Date Prepared: 01/17/2023

HMIS RATING

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	1
PERSONAL PROTECTION	

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