

## SAFETY DATA SHEET

Date issued : 04/10/2026  
SDS number : Vitalyse Metal Erase

## Vitalyse Metal Erase

**1. Identification**

**Product identifier:** Vitalyse Metal Erase  
**Active ingredient(s):** 1-Hydroxy Ethylidene-1, 1-Diphosphonic Acid (HEDP)  
**Relevant identified uses:** Metal control for swimming pools.

**Distributor**

Poolwerx USA, LLC.  
13901 Midway Road  
Suite 102-434  
Farmers Branch, TX 75244

**Emergency telephone number (24 hour)**

Chem-Tel 24-Hour Emergency # (800) 255-3924

**2. Hazard identification****Classification of the substance or mixture**

Skin Corrosion/Skin Irritation, Category 1  
Eye Damage, Category 1  
Corrosive to Metals, Category 1

**Label elements**

Corrosion

**Signal word:** DANGER

**Hazard statement(s)**

H290: May be corrosive to metals.  
H314: Causes severe skin burns and eye damage.  
H318: Causes serious eye damage.

**Precautionary statement(s)****Supplemental label elements:**

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+P340: IF INHALED: Remove person to fresh air and keep 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 ...

**Emergency overview**

**Immediate concerns:** Causes eye, skin and digestive tract burns. Mist may cause respiratory tract burns.

**Potential health effects**

**Eye:** Corrosive. Causes eye burns and permanent tissue damage.

**Skin:** Corrosive. May cause skin burns and permanent skin damage.

**Ingestion:** Low order of toxicity. Corrosive to mouth, esophagus and stomach.

**Inhalation:** Mist may be severely irritating to nose, throat and lungs, depending on concentration and duration of exposure.

**Carcinogenicity:** Not listed by NTP, IARC or OSHA.

**3. Composition/information on ingredients**

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Chemical name	% w/w	CAS No.
1-Hydroxy Ethylidene-1, 1-Diphosphonic Acid (HEDP)	30 - 50	2809-21-4
Phosphonic Acid	< 0 - 2	13598-36-2

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

## 4. First-aid measures

**Eye:** 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 by mouth to an unconscious person.

**Inhalation:** In case of adverse exposure to vapors and/or aerosols, immediately remove the affected victim from exposure and get immediate medical attention. If breathing is difficult, give oxygen. If breathing stops, give artificial respiration.

## 5. Fire-fighting measures

**Suitable 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 (SCBA) in positive pressure mode, if possible, and full protective gear.

## 6. Accidental release measures

**Small spill:** For spills, implement cleanup procedures.

**Large spill:** Implement cleanup procedures and if in public areas, advise authorities.

**Environmental precautions**

**Water spill:** Prevent additional discharge of material, if possible to do so without hazard. Request all to stay clear. This material is water soluble/dispersible, and may not be recoverable.

**Land spill:** Prevent additional discharge of material, if possible to do so without hazard. Warn occupants and downwind areas of corrosive release hazard and request all to stay clear.

**General procedures:** Contain spilled liquid with sand or earth. Recover by pumping or with suitable absorbent.

**Release notes:** Recycle or dispose of recovered material in accordance with all federal, state, and local regulations.

## 7. Handling and storage

**General procedures:** Keep containers closed. Open container carefully and handle with care. Store in a cool, well-ventilated place away from incompatible materials. Do NOT pressurize, cut, heat or weld containers. Empty product containers may contain product residue. Do not reuse empty containers.

**Conditions for safe storage:** Corrosive to most metals, including carbon steel, aluminum/aluminum alloys and copper /copper alloys.

**Storage temperature:** Ambient.

**Storage pressure:** Atmospheric

**Comments:** When working or handling this product, wash hands and face thoroughly before eating, drinking, using tobacco, applying cosmetics, or using the toilet. Wash exposed skin promptly to remove accidental splashes or contact.

## 8. Exposure controls/personal protection

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## Exposure controls

Control parameters				
Chemical name	Occupational exposure limit values			
	Type	ppm	mg/m <sup>3</sup>	
1-Hydroxy Ethylidene-1, 1-Diphosphonic Acid (HEDP)	OSHA PEL	TWA	ppm <sup>[1]</sup>	mg/m <sup>3</sup> <sup>[1]</sup>
		STEL	ppm	mg/m <sup>3</sup>
	ACGIH TLV	TWA	ppm	mg/m <sup>3</sup>
		STEL	ppm	mg/m <sup>3</sup>
	Supplier OEL	TWA	NL	NL
		STEL	NL	NL

**Footnotes:**  
1. NL = Not Listed

**Appropriate engineering controls:** Local exhaust.

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

**Eye / face protection:** Chemical splash goggles and face shield.

**Skin protection - hand protection:** Where contact may occur, wear chemical resistant gloves and long sleeves.

**Respiratory protection:** Where overexposure by inhalation may occur; or other means of exposure reduction are not adequate, approved respirators may be necessary.

**Occupational hygiene practices:** Provide safety shower and eyewash station in the work area.

## 9. Physical and chemical properties

**Physical state:** Liquid

**Appearance:** Pink liquid.

**Odor:** Faint.

**pH:** < 2

**Initial boiling point and boiling range:** Not Available

**Flash point:** > 100°C (212°F)

**Explosion limit / flammability limit notes:** Non-flammable.

**Vapor pressure:** Not Available

**Relative vapor density:** Not Available

**Relative density:** 1.139 to 1.147

**Solubility:** Soluble in water.

**Auto-ignition temperature:** Not Applicable

## 10. Stability and reactivity

**Dangerous polymerization:** Will not occur.

**Chemical stability:** Stable.

**Conditions to avoid:** Contact with common metals might produce flammable hydrogen gas.

**Hazardous decomposition products:** Phosphines, CO, CO<sub>2</sub> and oxides of nitrogen.

**Incompatible materials:** Strong oxidizers and strong alkalis.

## 11. Toxicological information

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### Acute toxicity

Acute dermal toxicity LD<sub>50</sub>: > 2000 mg/kg

Acute oral toxicity LD<sub>50</sub>: > 2000 mg/kg

Respiratory or skin sensitization: No sensitizing effects known.

## 12. Ecological information

Ecotoxicological information: Low mobility in soil

Aquatic toxicity, both acute and chronic

96-hour LC<sub>50</sub>: > 100 mg/L (fish)

48-hour EC<sub>50</sub>: > 100 mg/L (Crustacea)

96-hour EC<sub>50</sub>: > 100 mg/L (Algae)

Bioaccumulative potential: No bioaccumulation is expected.

## 13. Disposal considerations

Disposal methods: Dispose in accordance with all applicable regulations.

## 14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: Corrosive Liquids, N.O.S. (1-Hydroxy Ethylidene-1, 1-Diphosphonic Acid (HEDP), Phosphonic Acid)

UN number: UN 1760

Transport hazard class(es): 8

Packing group, if applicable: III

Reportable quantity (rq) under CERCLA: None

Environmental hazards - marine pollutant: No.

DOT other shipping information: Refer to 49 CFR 173.154 for limited and consumer commodity exceptions.

## 15. Regulatory information

UNITED STATES

SARA Section 311/312 Hazard Categories

311/312 Health hazards: Hazard Categories: Health: Immediate (Acute) Health Hazard

313 reportable ingredients: No reportable chemicals.

CERCLA Hazardous Substances and Reportable Quantities (RQ)

CERCLA regulatory: If spilled, this product is not subject to any reporting requirements.

TSCA (The Toxic Substances Control Act)

TSCA regulatory: All components are listed on the TSCA Inventory or are exempt from TSCA Inventory requirements.

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: 04/10/2026

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