

POOLWERX USA, INC
SAFETY DATA SHEET

Section 1: Identification

Product Name: Vitalyse Poly Plus Algaecide Product Code: C007808

Poolwerx USA, Inc
4801 Spring Valley Road, Suite 103
Farmers Branch TX 75244

Emergency Phone:
CHEMTREC: Canada and USA - (800) 424-9300
CHEMTREC: In Mexico - 01-800-681-9531

Product Use: Pool Algaecide
Not recommended for: Uses Not Listed on the Label

Section 2: Hazard(s) Identification

GHS Ratings:

Skin corrosion/irritation Serious eye damage/eye irritation Skin sensitization Carcinogenicity Acute aquatic toxicity	1A 1 1 1B A1	Destruction of dermal tissue: Exposure < 3 min. Observation < 1 hour, visible necrosis in at least one animal Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5 Skin sensitizer Presumed Human Carcinogen, Based on demonstrated animal carcinogenicity Acute toxicity <= 1.00 mg/l
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GHS Hazards

H314 H317 H318 H350 H400	Causes severe skin burns and eye damage May cause an allergic skin reaction Cause serious eye damage May cause cancer Very toxic to aquatic life
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GHS Precautions

P201 P202 P260 P261 P264 P272 P273 P280 P281 P310 P321 P363 P391	Obtain special instructions before use Do not handle until all safety precautions have been read and understood Do not breathe dust/fume/gas/mist/vapors/spray Avoid breathing dust/fume/gas/mist/vapors/spray Wash face, hands, and any exposed skin thoroughly after handling Contaminated work clothing should not be allowed out of the workplace Avoid release to the environment Wear protective gloves/protective clothing/eye protection/face protection Use personal protective equipment as required Immediately call a POISON CENTER or doctor/physician Specific treatment (see first aid treatment on SDS) Wash contaminated clothing before reuse Collect spillage
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P301+P330+P331	If swallowed: Rinse mouth. Do NOT induce vomiting.
P302+P352	If on skin: Wash with plenty of soap and water.
P303+P361+P353	If on skin (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P304+P340	If inhaled: 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.
P308+P313	If exposed or concerned get medical advice / attention.
P333+P313	If skin irritation or rash occurs: Get medical advice / attention.
P405	Store locked up
P501	Dispose of contents/container in accordance with local/regional/national/international regulations

Danger



Section 3: Composition/Information on Ingredients

Note: Components and Concentrations have been withheld as trade secret. Components hidden are residual impurities from the initial chemical reaction.

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Polixetonium chloride 31512-74-0 10% - 20%			
Copper, [[2,2',2''-(nitriilo-.kappa.N)tris[ethanol-.kappa.O]](2-)]- 82027-59-6 5% - 10%			
Trade Secret 0.1% - 1.0% Vapor Pressure: 64.505 mmHg	50 ppm TWA	10 ppm TWA	NIOSH: 1 ppm TWA; 4 mg/m3 TWA 2 ppm STEL; 8 mg/m3 STEL

Section 4: First-aid Measures

Inhalation

Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing,

give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention. To prevent aspiration, keep head below knees.

Eye Contact

Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention promptly.

Skin Contact

Remove contaminated clothing. Wash skin with soap and water. Get medical attention. Wash clothing separately and clean shoes before reuse.

Ingestion

If swallowed, do NOT induce vomiting. Give victim a glass of water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Section 5: Fire-fighting Measures

Extinguishing Media

Use media suitable for the surrounding fire.

Specific Hazards Arising from the Chemical

In a fire or if heated, a pressure increase will occur and the container may burst. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Carbon dioxide, carbon monoxide, nitrogen oxides, halogenated compounds

Special Protective Equipment and Precautions for Firefighters

Special Information: As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA / NIOSH approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Spill and Leak Procedures

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements, or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

Section 7: Handling and Storage

Handling Procedures

Use with adequate ventilation. Avoid breathing dusts, mists, and vapors. Do not get in eyes, on skin, or on clothing. Wear eye protection and protective clothing. Wash thoroughly after handling.

Storage Requirements

Store containers in a cool, dry, well ventilated place. Keep container closed when not in use.

Section 8: Exposure Control/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Polixetonium chloride 31512-74-0			

Copper, [[2,2',2''-(nitriilo-.kappa.N)tris [ethanol-.kappa.O]](2-)]-82027-59-6			
Trade Secret N/A	50 ppm TWA	10 ppm TWA	NIOSH: 1 ppm TWA; 4 mg/m3 TWA 2 ppm STEL; 8 mg/m3 STEL

ENGINEERING CONTROLS: Provide ventilation sufficient to maintain exposure below the recommended limits .

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant the use of a respirator.

SKIN PROTECTION: Wear impervious protective gloves . Wear protective gear as needed - apron, suit, boots .

EYE PROTECTION: Wear safety glasses with side shields (or goggles) and a face shield .

OTHER PROTECTIVE EQUIPMENT: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

HYGENIC PRACTICES: Do not eat, drink, or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating.

Section 9: Physical and Chemical Properties

<p>Flammability: Unknown</p> <p>Specific Gravity 1.195</p> <p>Decomposition temperature: Unknown</p> <p>Grams VOC less water: Unknown</p> <p>Odor: Mild odor</p> <p>Odor threshold: Unknown</p> <p>pH: 7.4</p> <p>Melting point: < 0°C (32°F)</p> <p>Solubility: Easily soluble in water</p> <p>Flash point: Unknown</p>	<p>Explosive Limits: Unknown</p> <p>Autoignition temperature: Unknown</p> <p>Viscosity: Unknown</p> <p>Appearance: Dark blue liquid</p> <p>Vapor Pressure: Unknown</p> <p>Vapor Density: Unknown</p> <p>Density: Unknown</p> <p>Freezing point: Unknown</p> <p>Boiling range: > 100°C (212°F)</p> <p>Evaporation rate: Unknown</p>
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Section 10: Stability and Reactivity

Chemical Stability:

STABLE

Incompatible Materials

Anionic polymers. Oxidizers.

Conditions to Avoid

None known

Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide. Oxides of nitrogen.

Hazardous Polymerization

Hazardous polymerization will not occur.

Section 11: Toxicology Information

Mixture Toxicity

Oral Toxicity LD50: 2,998mg/kg

Inhalation Toxicity LC50: 5mg/L

Component Toxicity

Routes of Entry:

Inhalation
 Ingestion
 Skin contact
 Eye contact

Target Organs

Eyes Kidneys Liver Central Nervous System Skin Cardiovascular System

Effects of Overexposure

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
107-06-2	Trade Secret	0.1% - 1.0%	Trade Secret: NIOSH: potential occupational carcinogen IARC: Possible human carcinogen OSHA: listed EU REACH: Present

Section 12: Ecological Information**Component Ecotoxicity**

Trade Secret

96 Hr LC50 Pimephales promelas: 110 - 123 mg/L ; 96 Hr LC50 Oncorhynchus mykiss: 225 mg/L (1.8 g); 96 Hr LC50 Lepomis macrochirus: 230 - 710 mg/L (0.12 g)
 48 Hr EC50 Daphnia magna: 140 - 190 mg/L [Static]
 96 Hr EC50 Pseudokirchneriella subcapitata: >433 mg/L; 96 Hr EC50 Desmodesmus subspicatus: 166 mg/L

Section 13: Disposal Considerations

Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Handling: Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning . If burned stay out of smoke.

Section 14: Transportation Information

The following is for US DOT Highway Transportation . Other modes/jurisdictions may have different classifications .

UN Code: Not Applicable
DOT Name: Not Applicable
Hazard Class: Not Applicable
Packing Group: Not Applicable

Section 15: Regulatory Information**CERCLA/SARA Hazardous Substances**

Trade Secret

FIFRA information:

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

CAUTION: Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid breathing vapors. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

Proposition 65 Information:



WARNING: This product can expose you to chemical(s), which [is / are] known to the State of California to cause [cancer, birth defects, or other reproductive harm]. For more information go to www.P65Warnings.ca.gov

Trade Secret Carcinogen

SARA 313

This product contains the following EPCRA section 313 chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know-Act of 1986 (40 CFR 372):

Trade Secret 0.1 - 1.0%

This information must be included in all SDSs that are copied and distributed for this material.

TSCA 8(b) Inventory

Trade Secret
7732-18-5 Water

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
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Section 16: Other Information

Date Prepared: 7/3/2024

Disclaimer

The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its affiliates or subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our SDS are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated SDS for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, face mask, fume hood). For proper handling and disposal, always comply with federal, state and local regulations.