



SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Product Name: ALGAECIDE 60 PLUS
Synonym(s): WSCP
Recommended Uses: Swimming pool Algaecide
SDS Reference: 7

Company Information: ALLCHEM PERFORMANCE PRODUCTS, INC. Distributed By: WATER TECHNIQUES, INC
6010 NW FIRST PLACE 14260 W. NEWBERRY RD #162
GAINESVILLE, FL 32607 NEWBERRY FL 32669
Tel: 352-378-9696
24 HOUR EMERGENCY NUMBER: INFOTRAC (TRANSPORTATION): 1-800-535-5053

2. HAZARD(S) IDENTIFICATION

Classification: ACUTE TOXICITY ORAL
ACUTE TOXICITY INHALATION
EYE IRRITATION



Signal Word: WARNING

Hazard Statements: HEALTH HAZARDS:
Oral Hazard - Harmful if swallowed - Category 4
Inhalation Hazard - Harmful if inhaled - Category 4
Eye Irritant - Causes eye irritation - Category 2B
ENVIRONMENTAL HAZARDS: Harmful to aquatic life.

Precautionary Statements: Use only outdoors in well ventilated area. Avoid breathing vapors. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. IF INHALED: Remove person to fresh air and keep comfortable. Call a Poison Center or doctor if you feel unwell. IF SWALLOWED: Call a Poison Center or doctor if you feel unwell. Rinse mouth. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritations persists, get medical advice or attention. STORAGE/DISPOSAL: dispose of contents and container in accordance with local, regional, national and international regulations.

Eye Contact: Causes eye irritation.

Skin Contact: No known significant effects or critical hazards.

Inhalation: Harmful if inhaled.

Ingestion: Harmful if swallowed.

3. COMPOSITION

	PERCENT %	CAS #
Chemical Name: Poly[oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride]	60	31512-74-0

4. FIRST AID

If In Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

If Swallowed: Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed
Not available.

Note: Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIREFIGHTING MEASURES

Suitable / Unsuitable Use an extinguishing agent suitable for the surrounding fire.

Extinguishing Media:



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Specific Hazards from 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. Decomposition products may include the following materials: carbon dioxide; carbon monoxide; nitrogen oxides; halogenated compounds
Special Protective Equipment:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Other Information:	No data available

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
Environmental Precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.
Methods and Materials for cleanup:	Small Spills: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. Large Spills: 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 (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

7. HANDLING AND STORAGE

Handling:	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.
Storage:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Satisfactory Materials of Construction: Buna-N rubber; Butyl rubber; Polypropylene; Plexiglas; Teflon; PVC - rigid; Viton; EPDM rubber; PVC - flexible Fiberglass; Neoprene; Polyethylene - low density; Tygon; Tyril 880; Gum rubber Silicone rubber; Hypalon; Polyethylene - high density; Stainless steels 304 and 316; ABS (Plastic); Morton test liner (108 T 44LV); 6/6 Nylon; FRP lined mild steel NOTE: With respect to all other materials not listed above, user should be aware that use of such materials with this product may be hazardous and result in damages to such materials and other property and personal injuries. No data concerning such materials not listed above should be implied by the user.

8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS

OSHA permissible exposure limit:	None.
Appropriate Engineering Controls:	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Individual Protection Measures:	Hygiene Measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.



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Eye/Face Protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Hand Protection: Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Considering the parameters specified by the glove manufacturer, check that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body and other Skin Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory Protection: If respiratory hazards exist (see Section 2), and if use conditions warrant with the potential for airborne exposure existing, select a respirator that meets the appropriate standard or certification. Respirators must be used according to the respiratory protection program to ensure proper fitting, training, and other important aspects of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Clear, pale yellow
Odor:	Mild
Melting Point/Freezing Point:	<32°F (0°C)
Initial Boiling Point/Boiling Range:	212°F (>100°C)
Flammability (solid/gas):	No data available
Upper/lower Flammability or Exposure limits:	No data available
Flash Point:	Closed Cup:>212°F (>100°C)
Auto-ignition Temperature:	No data available
Decomposition Temperature:	No data available
pH:	6 - 8
Viscosity:	125 mPa-s (125cP) Dynamic (room temperature)
Solubility(ies):	Soluble in water
Partition Coefficient: n-octanol/water:	No data available
Vapor Pressure:	No data available
Density:	9.514 lbs/gal
Vapor Density:	No data available
Particle Characteristics:	Not applicable

10. STABILITY AND REACTIVITY

Stability/Reactivity:	The product is stable. No specific test data related to reactivity available for this product or its ingredients.
Possibilities of Hazardous Reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to Avoid:	No data available
Incompatible Materials:	No data available
Hazardous Decomposition Materials:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	Toxicity results : Acute Oral LD50: 1850 mg/kg ; LD50 Oral 1951 mg/kg Rat Male Acute Dermal LD50: >2000 mg/kg Acute Inhalation Dusts and Mists LC50: > 2.9 mg/l
	Irritation / Corrosion: Eyes - Mild irritant Rabbit Skin - Mild irritant Rabbit



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Sensitization:
Skin Guinea Pig - Not sensitizing
Skin Human - Not sensitizing

Information on the likely routes of exposure: Anticipated routes of entry: Oral, Dermal and Eye.
Not anticipated route of entry is inhalation.

Potential Acute Health Effects:
Eye Contact: causes eye irritation
Inhalation: harmful if inhaled
Skin Contact: no known significant effects or critical hazards
Ingestion: harmful if swallowed

Symptoms related to physical, chemical and toxicological characteristics:
Eye Contact: adverse symptoms may include irritation, watering and/or redness
Inhalation: no specific data
Skin Contact: no specific data
Ingestion: no specific data

Delayed and immediate effects / chronic effects from short and long term exposure:
Short term exposure: no data available
Long term exposure: no data available

Chronic Toxicity: Sub-Chronic Toxicity:
NOEL ORAL: 3000 mg/kg - Rat - 90 days
NOEL DERMAL: >1000 mg/kg - Rabbit - 90 days

Reproductive Toxicity: No data available.

Carcinogenicity: A two year rat carcinogenicity study showed a slight increase in c-cell adenomas in female rats. Studies with male rats and male and female mice did not show any evidence of carcinogenic response. This product is not considered a carcinogen.

Mutagenicity: No data available.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity: WSCP
Acute LC50 13 mg/l Marine water - Crustaceans - 96 hours
Acute LC50 >600 mg/l Marine water - Fish - 96 hours
Acute EC50 266 ppb Fresh water - Daphnia/Daphnia Magna - 48 hours
Acute LC50 218 ug/l Fresh water - Crustaceans/Ceriodaphnia dubia /Neonate - 48 hours
Acute LC50 47 ppb Fresh water - Fish/Oncorhynchus mykiss - 96 hours
Chronic NOEC 12 ppb Fresh water - Daphnia/Daphnia magna - 21 days

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Environmental Hazards: This product is toxic to fish and other aquatic organisms. Do not discharge effluent containing this product into lakes, ponds, streams, estuaries, oceans or public waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge.

13. DISPOSAL CONSIDERATIONS

Disposal: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. TRANSPORTATION INFORMATION



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Package exceptions may be applicable. Refer to the appropriate IMDG, IATA and/or 49 CFR regulations accordingly.

DOT: Not Regulated

15. REGULATORY INFORMATION

TSCA: This product is subject to regulation under the US Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) and is therefore exempt from US Toxic Substances Control Act (TSCA) Inventory listing requirements.

SARA (311, 312): ACUTE TOXICITY (oral) - Category 4
ACUTE TOXICITY (inhalation) - Category 4
EYE IRRITATION - Category 2B

SARA 313: No ingredients listed in this section.

Right To Know Hazardous Substance List: California Prop 65: WARNING: This product can expose you to chemicals including 1,4-Dioxane and bis(2-chloroethyl) ether, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.
1,4-Dioxane - No Significant Risk Level
bis(2-chloroethyl) ether - No Significant Risk Level

Waste Classification: No data available.

Workplace Classification: This product is considered hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).

CERCLA Reportable Quantity: SARA 302 / 304:
bis(2-chloroethyl) ether ; 0.001%
Sara 302 TPQ: 10000 lbs / 981.5 gal
Sara 304 RQ: 10 lbs / 0.98 gal

CERCLA: Hazardous substances: 1,4-dioxane: 100 lbs. (45.4 kg); bis(2-chloroethyl) ether 10 lbs. (4.54 kg)

EPA NOTES:

This chemical is a pesticide product registered by the United States 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. The pesticide label also includes other important information, including directions for use. Following is the hazard information as required on the pesticide label:

SIGNAL WORD: CAUTION

PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS: CAUTION: Causes moderate eye irritation. Harmful if swallowed or absorbed through the skin. Avoid breathing vapors. Avoid contact with skin, eyes, or clothing. Wear chemical-resistant eyewear. 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.

PHYSICAL OR CHEMICAL HAZARDS: Do not mix with other chemicals. This product contains reducer! Keep away from Oxidizing agents!

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish, aquatic invertebrates, and clams.

16. OTHER INFORMATION

ALWAYS COMPLY WITH ALL APPLICABLE INTERNATIONAL, FEDERAL, STATE AND LOCAL REGULATIONS REGARDING THE TRANSPORTATION, STORAGE, USE AND DISPOSAL OF THIS CHEMICAL. Due to the changing nature of regulatory requirements, the REGULATORY INFORMATION listed in Section 15 of this document should NOT be considered all-inclusive or authoritative. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements. The information in this SDS was obtained from sources, which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Issue Date: 7/28/2023

HMIS Rating: Health: 1
Flammability: 1
Physical Hazard: 0

NFPA Rating: Health: 1
Flammability: 1
Instability: 0

Special Hazard Warning: Not applicable