

SAFETY DATA SHEET

Date Prepared : 03/22/2018

SDS No. : Miami Concentrated Algaecide 30

Sanygen Concentrated Algaecide 30

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Sanygen Concentrated Algaecide 30**GENERAL USE:** Algaecide**ACTIVE INGREDIENT(S):** Poly[oxyethylene (dimethyliminio) ethylene (dimethyliminio) ethylene dichloride]**DISTRIBUTOR**

Miami Products & Chemical Company
 P.O. Box 486
 Dayton, OH 45401

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS**Health:**

Acute Toxicity (Oral), Category 4

Environmental:

Aquatic Toxicity, Category 1

GHS LABELExclamation
mark

Environment

SIGNAL WORD: WARNING**HAZARD STATEMENTS**

H302: Harmful if swallowed.

H400: Very toxic to aquatic life.

PRECAUTIONARY STATEMENT(S)**Prevention:**

P264: Wash ... thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P273: Avoid release to the environment.

Response:

P301+P312: IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell.

P330: Rinse mouth.

P391: Collect spillage.

Disposal:

789508DQ: Dispose of contents/container to comply with local, state and federal regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Poly[oxyethylene (dimethyliminio) ethylene (dimethyliminio) ethylene dichloride]	30	31512-74-0

4. FIRST AID MEASURES

SAFETY DATA SHEET

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SDS No. : Miami Concentrated Algacide 30

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EYES: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

SKIN: Wash with soap and water. Remove and wash contaminated clothing before reuse. Get medical attention if irritation develops or persists.

INGESTION: DO NOT INDUCE VOMITING. Give a glass of water or milk to drink. Call a physician or poison control immediately. Never give anything by mouth to an unconscious person.

INHALATION: If breathing is difficult, remove to fresh air and give oxygen. Keep victim at rest in a position comfortable for breathing. If NOT BREATHING, call 911 or an ambulance, then give artificial respiration.

NOTES TO PHYSICIAN: Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Nonflammable

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

OTHER CONSIDERATIONS: Material will not burn.

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

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide may be formed upon burning.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Avoid release to the environment. This product is toxic to fish and aquatic organisms. Do not discharge into effluent containing this product into lakes, streams, ponds or estuaries, oceans or other 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 discharging. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, call your State Water Board Authority or Regional Office of EPA.

SPECIAL PROTECTIVE EQUIPMENT: Wear appropriate gloves to prevent skin exposure and chemical splash goggles.

COMMENTS: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Do not contaminate water, food or feed by storage or disposal.

STORAGE: Store in a cool, dry, well-ventilated area away from incompatible materials.

STORAGE PRESSURE: Atmospheric

COMMENTS: Do not reuse empty containers without commercial cleaning or reconditioning. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

Spills must be absorbed with sawdust or sand and disposed of in a sanitary landfill. Leaking or damaged drums must be placed in overpack drums for disposal. Do not stack drums more than 4 drums high.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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SDS No. : Miami Concentrated Algaeicide 30

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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
Chemical Name	EXPOSURE LIMITS			
	Type		ppm	mg/m ³
Poly[oxyethylene (dimethyliminio) ethylene (dimethyliminio) ethylene dichloride]	OSHA PEL	TWA	[1]	[1]
	ACGIH TLV	TWA	[1]	[1]
Footnotes: 1. Not established.				

ENGINEERING CONTROLS: Local exhaust.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear chemical safety goggles.

SKIN: Impervious gloves.

RESPIRATORY: None normally required.

PROTECTIVE CLOTHING: Body protective clothing and shoes.

WORK HYGIENIC PRACTICES: Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practices.

OTHER USE PRECAUTIONS: Facilities storing or utilizing this material should be equipped with an eyewash station and safety shower.

COMMENTS: Use adequate ventilation to keep airborne concentrations low.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Mild.

APPEARANCE: Blue liquid.

pH: 6.0 to 8.0

FLASHPOINT AND METHOD: Not Available

FLAMMABLE LIMITS: 0 to 0

VAPOR PRESSURE: Not Available

VAPOR DENSITY: 1.15 g/cm³

BOILING POINT: > 100°C (212°F)

FREEZING POINT: 0°C (32°F)

SOLUBILITY IN WATER: Soluble at 25.0 C (77.0 F)

EVAPORATION RATE: Not Available

DENSITY: 8.8 - 9.1 lbs/gal at 25°C (77°F)

SPECIFIC GRAVITY: 1.06 to 1.1

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur.

STABILITY: Stable under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

INCOMPATIBLE MATERIALS: None known.

11. TOXICOLOGICAL INFORMATION

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SDS No. : Miami Concentrated Algaecide 30

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ACUTE TOXICITY

DERMAL LD₅₀: > 2000 mg/kg - RabbitORAL LD₅₀: 1850 g/kg (rat)INHALATION LC₅₀: 2.9 mg/L (4 hour - rat)

COMMENTS: Data provided is for neat product.

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY (ACUTE):

LC50 = 44.00 UG/l - 48 hours (Rainbow trout)

LC50 = 660.0 UG/l - 24 hours (Harlequinfish)

LC50 = 3350 UG/l - 48 hours (Channel catfish)

LC50 = 60,000 UG/l - 48 hours (Zebra mussel)

LC50 = 218.0 UG/l 48 hours (Water Flea)

COMMENTS: Data provided is for neat product.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with all applicable regulations.**RCRA/EPA WASTE INFORMATION:** This product is not considered a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA).**GENERAL COMMENTS:** Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Empty drums should be completely drained and properly bunged, then promptly returned to a drum reconditioner, or properly disposed of.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: No additional information available. **PRESSURE GENERATING:** No additional information available. **REACTIVITY:** No additional information available. **ACUTE:** Yes **CHRONIC:** No additional information available.

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 of this product may not be listed in the TSCA Inventory. EPA registered pesticides are exempt from the requirements of TSCA.**CALIFORNIA PROPOSITION 65:** There are no chemicals present known to the State of California to cause cancer.**FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT):** 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. Below you will find the hazard information that is required on the EPA pesticide label.**GENERAL COMMENTS: HAZARD INFO FOUND ON EPA LABEL 46043-24:**

CAUTION.

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Harmful if swallowed.

Toxic to fish and aquatic organisms.

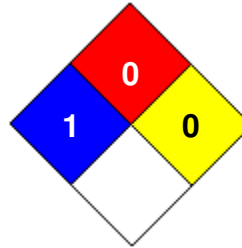
16. OTHER INFORMATION

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HMIS RATING

HEALTH	<input type="checkbox"/>	1
FLAMMABILITY	<input type="checkbox"/>	0
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	

NFPA CODES



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