

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION **1**

Product Name: Aquamate 30% Non-Foam Algaecide, Maintain Pool Pro 30% Non-Foam Algaecide, Swim Clear Super Algaecide, Pool Place A Great Backyard Brand Algae Guard 30.

Product Id: 5830

Synonyms: Clearaid SCP, WSCP

Date: 04-29-15

Supersedes Revision Dated: 02-02-15

Recommended Use: Swimming Pool Algaecide

Supplier(s): Compass Chemical Int'l, LLC or Buckman Laboratories, Inc.
 5544 Oakdale Road, S.E. 1256 North McLean Blvd.
 Smyrna, GA 30082 Memphis, TN 38108
 1-888-962-6296 1-800-282-5626

Sold By: Baleco International Inc.
 3200 Stateline Road
 North Bend, Ohio 45052
 513-353-3000

Emergency Telephone: 24 Hours per day 7 days per week contact: Chemtrec (800) 424-9300

SECTION 2. HAZARDS IDENTIFICATION **2**

Acute Toxicity: Oral, Category 4
Aquatic Toxicity (Acute), Category 1
Pictograms:



GHS Signal Word: Warning

GHS Phrases: H302 – Harmful if swallowed.
 H400 – Very toxic to aquatic life.

GHS Precaution Phrases: P264 – Wash hands thoroughly after handling.
 P270 – Do not eat, drink or smoke when using this product.

GHS Response Phrases: P301 + 312 – IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P330 – Rinse mouth.
 P391 – Collect spillage.

GHS Storage and Disposal Phrases: P501 – Dispose of contents/container in accordance with all federal, state and local regulations.

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

Potential Health Effects (Acute and Chronic):
Inhalation: Chronic: None
 Prolonged inhalation may be harmful. Inhalation of material may be harmful.

Skin Contact: Prolonged or repeated skin contact may cause irritation.

Eye Contact: Contact may cause eye irritation.

Ingestion: Harmful if swallowed. If medical advice is needed, have product container or label at hand.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS 3

| <u>CAS #</u> | <u>Hazardous Components (Chemical Name)</u> | <u>Concentration</u> | <u>RTECS#</u> |
|--------------|---|----------------------|---------------|
| 31512-74-0 | Poly(oxyethylene(dimethyliminio)ethylene(di methyliminio)ethylene dichloride) | 30% | TR1650000 |

SECTION 4. FIRST AID MEASURES 4

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| Emergency and First Aid Procedures: | Wash with plenty of soap and water. |
| In case of inhalation: | IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen. IF NOT BREATHING, call 911 or an ambulance, then give artificial respiration. |
| In case of skin contact: | Wash with soap and water. Take off contaminated clothing and wash before re-use. If skin irritation or rash occurs, seek medical advice/attention. |
| In case of eye contact: | Hold eyelids apart and flush eyes 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. |
| In case of ingestion: | If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. |
| Note to Physician: | Treat symptomatically and supportively. |

SECTION 5. FIRE FIGHTING MEASURES 5

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| Flammability Classification: | Non-flammable |
| Flash Point: | >212.0° F (100.0° C) Method Used: Cleveland Open Cup |
| Exposure Limits: | LEL: NA. UEL: NA |
| Autoignition Point: | N.D. |
| Suitable Extinguishing Media: | Use extinguishing agent suitable for the type of surrounding fire. |
| Fire Fighting Instructions: | As in any fire, wear a self-contained breathing apparatus in pressure demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn. |
| Flammable Properties and Hazards: | No data available. |

SECTION 6. ACCIDENTAL RELEASE MEASURES 6

Protective Precautions, Protective Equipment and Emergency Procedures: Wear appropriate gloves to prevent skin exposure. Wear chemical splash goggles.

Environmental Precautions: 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 the EPA.

Steps to be Taken in Case Material is Released or Spilled: Use proper personal protective equipment as indicated in Section 8. Prevent further leakage or spillage if safe to do so. Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. This material will sink and is soluble/dispersible, it is probably not recoverable. Notify the Authorities.

SECTION 7. HANDLING AND STORAGE 7

Precautions to be Taken in Handling: Store in a cool, dry, well-ventilated area away from incompatible substances. Do not contaminate water, food, or feed by storage or disposal.

Precautions to be Taken in Storing: Do not contaminate water, food, or feed by storage or disposal. Storage Temperature: Ambient. Storage Pressure: Atmospheric. DO NOT reuse empty containers without commercial cleaning or reconditioning. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

Other Precautions: 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.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION 8

| CAS # | Partial Chemical Name | OSHA TWA | ACGIH TWA | Other Limits |
|------------|---|----------|-----------|--------------|
| 31512-74-0 | Poly(oxyethylene(dimethyliminio)ethylene (dimethyliminio)ethylene dichloride) | No data | No data | No data |

Respiratory Equipment (Specific Type): Respirator protection is not normally required.

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulation in 29 CFR 1910.133 or European Standard EN166.

Protective Gloves: Impervious gloves.

Other Protective Clothing: Clothes to prevent skin contact. Protective garments not normally required.

Engineering Controls (Ventilation, etc.): Ventilation should be provided to control worker exposures and prevent health risks and as necessary to reduce, prevent and control dust, mist, vapor or aerosol generation.

Work/Hygienic/Maintenance Practices: Wash thoroughly after handling. Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls: Use adequate ventilation to keep airborne concentrations low. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES 9

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|---|-----------------------------------|
| Physical State: | Liquid |
| Odor: | Mild odor |
| Appearance: | Pale yellow to brown |
| Freezing Point: | -16°C (3.2°F). |
| Boiling Point: | 212°F |
| Decomposition Temperature: | NA |
| Autoignition Point: | ND |
| Flash Point: | >212.0°F (100.0°C) |
| Explosive Limits: | LEL: NA UEL: NA |
| Specific Gravity (Water=1): | 1.15 – 1.17 at 25.0°C (77.0°F) |
| Density: | 9.6 -9.8 LB/GA at 25.0°C (77.0°F) |
| Bulk Density: | NA |
| Vapor Pressure (vs Air or mm Hg): | NA |
| Vapor Density (vs Air=1): | NA |
| Evaporation Rate: | NA |
| Solubility in Water: | Soluble at 25.0°C (77.0°F) |
| Saturated Vapor Concentration: | NA |
| Viscosity: | <125 CPS at 25.0°C (77.0°F) |
| Octanol/Water Partition Coefficient: | Unknown |
| pH: | 6.0 to 8.0 |
| Percent Volatile: | 40.00% by weight |

VOC / Volume: NA
 Particle Size: NP
 Heat Value: NA
 Corrosion Rate: NE

SECTION 10. STABILITY AND REACTIVITY 10

Stable: Stable under normal conditions of use and storage.
Conditions to Avoid: No data available.
Instability:
Incompatibility- Materials to Avoid: None Known.
Hazardous Decomposition or Byproducts: No data available. None known.
Possibility of Hazardous Reactions: Will not occur.
Conditions to Avoid – Hazardous Reactions: No data available.

SECTION 11. TOXICOLOGICAL INFORMATION 11

Toxicological Information: Epidemiology: No data available.
 Teratogenicity: No data available.
 Reproductive Effects: Mutagenicity: Neurotoxicity: Other Studies:
 CAS # 31512-74-0
Symptoms related to Toxicological Characteristics: Acute toxicity, LD50, Oral, Rat, 1850. MG/KG.
 Result:
 Behavioral: Convulsions or effect on seizure threshold.
 Gastrointestinal: Hypermotility, diarrhea.
 Nutritional and Gross Metabolic: Changes in: Body temperature increase.
 - Farm Chemicals Handbook., Meister Pub., 37841 Euclid Ave., Willoughy, OH 44094, Vol/p/yr: -,C326, 1991
 Acute toxicity, LD50, Skin, Species: Rabbit, > 2.000 GM/KG.
 Result:
 Liver: Fatty liver degeneration.
 Kidney, Ureter, Bladder: Other changes.
 Blood: Other changes.
 - Acute Toxicity Data. Journal of the American College of Toxicology, Part B., Mary Ann Liebert, Inc., 1651 Third Ave., New York, NY 10128, Vol/p/yr: 1,201, 1992
 No information is available.
Chronic Toxicological Effects: No information is available.
Carcinogenicity/Other Information: CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

| CAS # | Hazardous Components (Chemical Name) | NTP | IARC | ACGIH | OSHA |
|------------|---|------|------|-------|------|
| 31512-74-0 | Poly(oxyethylene(dimethyliminio)ethylene (dimethyliminio)ethylene dichloride) | n.a. | n.a. | n.a. | n.a. |

SECTION 12. ECOLOGICAL INFORMATION 12

No data available.

Results of PBT and vPvB assessment: CAS# 31512-74-0:
 LC50, Fathead Minnow (Pimephales promelas), larva(e), 353.0 UG/L, 48 H, Mortality; The Acute and Chronic Effects of a Polyquaternary Ammonium Molluscicide Poly[Oxyethylene(Dimethyliminio)Ethylene-(Dimethyliminio)Ethylene Dichloride], Giltner, J.H.J., and P.C. Baumann, 1991

LC50, Rainbow Trout (*Oncorhynchus mykiss*), 44.00 UG/L, 48 H, Mortality, Water temperature: 17.00 C (62.6 F) C, pH: 7.70, Hardness: 40.00 MG/L.

Result:

Morphological changes.

- Toxicity of Candidate Molluscicides to Zebra Mussels (*Dreissena polymorpha*) and Selected Nontarget Organisms, Waller, D.L., J.J. Rach, W.G. Cope, L.L. Marking, S.W. Fisher, and H. Dabrowska, 1993

LC50, Harlequinfish, Red Rasbora (*Rasbora heteromorpha*), 660.0 UG/L, 24 H, Mortality, Water temperature: 20.00 C (68.0 F) C, pH: 8.10, Hardness: 20.00 MG/L; Acute Toxicity of 102 Pesticides and Miscellaneous Substances to Fish, Tooby, T.E., P.A. Hursey, and J.S. Alabaster, 1975

LC50, Channel Catfish (*Ictalurus punctatus*), 3350. UG/L, 48 H, Mortality, Water temperature: 17.00 C (62.6 F) C, pH: 7.70, Hardness: 40.00 MG/L.

Result:

Morphological changes.

- Toxicity of Candidate Molluscicides to Zebra Mussels (*Dreissena polymorpha*) and Selected Nontarget Organisms, Waller, D.L., J.J. Rach, W.G. Cope, L.L. Marking, S.W. Fisher, and H. Dabrowska, 1993

LC50, Zebra Mussel (*Dreissena polymorpha*), 60000. UG/L, 48 H, Mortality, Water temperature: 17.00 C (62.6 F) C, pH: 7.70, Hardness: 40.00 MG/L.

Result:

Morphological changes.

- Toxicity of Candidate Molluscicides to Zebra Mussels (*Dreissena polymorpha*) and Selected Nontarget Organisms, Waller, D.L., J.J. Rach, W.G. Cope, L.L. Marking, S.W. Fisher, and H. Dabrowska, 1993

Effective concentration to {0} % of test organisms, Zebra Mussel (*Dreissena polymorpha*), 1000. UG/L, 250 H, Behavior, Water temperature: 20.00 C (68.0 F) - 22.00 C (71.6 F) C, pH: 7.80, Hardness: 100.00 MG/L.

Result:

No loss of equilibrium observed.

- Control of the Biofouling Mollusc, *Dreissena polymorpha* (Bivalvia: Dreissenidae), with Sodium Hypochlorite and with Polyquaternary Ammonia and Benzothiazole Compounds, Martin, I.D., G.L. Mackie, and M.A. Baker, 1993

Effective concentration to {0} % of test organisms, Zebra Mussel (*Dreissena polymorpha*), 2000. UG/L, 250 H, Behavior, Water temperature: 20.00 C (68.0 F) - 22.00 C (71.6 F) C, pH: 7.80, Hardness: 100.00 MG/L.

Result:

No loss of equilibrium observed.

- Control of the Biofouling Mollusc, *Dreissena polymorpha* (Bivalvia: Dreissenidae), with Sodium Hypochlorite and with Polyquaternary Ammonia and Benzothiazole Compounds, Martin, I.D., G.L. Mackie, and M.A. Baker, 1993

LC50, Water Flea (*Ceriodaphnia dubia*), neonate, 218.0 UG/L, 48 H, Mortality; The Acute and Chronic Effects of a Polyquaternary Ammonium Molluscicide Poly[Oxyethylene(Dimethyliminio)Ethylene-(Dimethyliminio)Ethylene Dichloride], Giltner, J.H.J., and P.C. Baumann, 1991

No information available.

Persistence and Degradability:

Bioaccumulative Potential: Toxic to aquatic life. Unknown Effect.

Mobility in Soil: Unknown Effect.

SECTION 13. DISPOSAL CONSIDERATIONS 13

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.
Discarded product, as sold, would not be considered a RCRA Hazardous Waste. 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.

SECTION 14. TRANSPORT INFORMATION 14

LAND TRANSPORT (US DOT):
DOT Proper Shipping Name: Not regulated as a hazardous material.
LAND TRANSPORT (Canadian TDG):
TDG Shipping Name: Not regulated as a hazardous material.
LAND TRANSPORT (European ADR/RID):
ADR/RID Shipping Name: Not regulated as a hazardous material.
MARINE TRANSPORT (IMDG/IMO):
IMDG/IMO Shipping Name:
Hazard Class: IMDG MFAG Number: |
IMDG EMS Page:
AIR TRANSPORT (ICAO/IATA):
ICAO/IATA Shipping Name: Non-Hazardous for Air Transport.

SECTION 15. REGULATORY INFORMATION 15

United States

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):
SARA 302 Extremely Hazardous Substances List: No components of this product are listed.
SARA 304 Reportable Quantity: Not listed.
SARA 311/312 Hazard Category: Acute Health Hazard.
SARA 313 Toxic Chemical List: No components of this product are present above de minimus levels.

This material meets the EPA Yes No Acute (immediate) Health Hazard
'Hazard Categories' defined Yes No Chronic (delayed) Health Hazard
for SARA Title III Sections Yes No Fire Hazard
311/312 as indicated: Yes No Sudden Release of Pressure Hazard
 Yes No Reactive Hazard

| CAS # | Hazardous Components (Chemical Name) | Other US EPA or State Lists |
|------------|--|---|
| 31512-74-0 | Poly(oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride) | CAA HAP, ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No |

| CAS # | Hazardous Components (Chemical Name) | International Regulatory Lists |
|------------|--|---|
| 31512-74-0 | Poly(oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride) | Canadian DSL: No; Canadian NDSL: No; Mexico INSQ: Yes; Australia ICS: No; China IECSC: Yes; Japan ENCS: No; Korea ECL: Yes - KE-28990; Philippines ICCS: No; Taiwan TCSCA: Yes; REACH: Yes - (P) |

Regulatory 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:

WARNING

May be fatal if swallowed or absorbed through the skin

Harmful if inhaled

Causes skin irritation

Causes substantial but temporary eye injury

This pesticide is extremely toxic to fish.

Regulatory Information Statement: Regulatory information provided in this SDS was prepared for this product and is to be used only for the product in its present form, If this material is used as a component in another material or altered in any way, the information in this SDS may no longer be applicable. This document was generated for the purpose of distributing health, safety and environmental data.

Section 16. OTHER INFORMATION

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HMIS Rating:

| | |
|---------------------|---|
| HEALTH | 1 |
| FLAMMABILITY | 0 |
| REACTIVITY | 0 |
| PERSONAL PROTECTION | B |

NFPA:



Reason(s) for Revision:

Updates to all sections to bring into compliance.

Prepared By: MSDS/SDS Department in conjunction with manufacturer's SDS.

Baleco Int'l Inc.

Cinti, OH 45211

(513)353-3000

This SDS is prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200).

The information provided in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. This information should be available to all who will use, handles, store, transport, or otherwise be exposed to this product. Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, Baleco Int'l Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its safety and suitability for their purposes prior to use. In no event will Baleco Int'l Inc. be responsible for damages of any nature whatsoever resulting from the use or reliance upon information. No representations or warranties, either expressed or implied, of merchant ability, fitness for a particular purpose or of any other nature, are made hereunder with respect to information or the product to which the information refers. Additionally, if this safety data sheet is more than three years old, you should contact Baleco at The phone number listed in section 1 to verify the safety data sheet is current.

End of Safety Data Sheet