



# ALSTAR NON-FOAMING ALGAECIDE

**ACTIVE INGREDIENT(S)**

Poly[oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride]	10.0%
INERT INGREDIENTS	90.0%
TOTAL	100.0%

This product contains 0.85 lbs of active ingredient per gallon and weighs 8.49 lbs per gallon.

### KEEP OUT OF REACH OF CHILDREN CAUTION

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

**HOT LINE NUMBER**

Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment. You may also contact 901-278-0330 or 1-800-BUCKMAN for emergency medical treatment information.

**Precautionary Statements****HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Harmful if swallowed. Avoid breathing vapors. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish. Keep out of lakes, streams, or ponds. Do not discharge effluent containing this product into lakes, streams, ponds, 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 discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**Directions for Use**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

ALSTAR NON-FOAMING ALGAECIDE is used to control the growth of algae in swimming pools, exterior spas, whirlpools, hot tubs, decorative fountains, and ponds that do not contain fish. For maximum effectiveness pools, spas, whirlpools, hot tubs, decorative fountains, and ponds containing heavy growth of algae should be cleaned prior to using ALSTAR NON-FOAMING ALGAECIDE.

For pools having just visible algae growth add an initial dose of 75 to 116 fluid ounces of ALSTAR NON-FOAMING ALGAECIDE per 10,000 gallons of water and remove settled algae debris by cleaning. For treatment of a freshly cleaned and filled pool add initially 41 to 75 fluid ounces of ALSTAR NON-FOAMING ALGAECIDE per 10,000 gallons of water. Subsequent additions of 13.6 to 27 fluid ounces of ALSTAR NON-FOAMING ALGAECIDE per 10,000 gallons of water should be made every 5 to 7 days after initial treatment for maintenance.

Spas, whirlpools, hot tubs, decorative fountains, and ponds having just visible algae growth require an initial dose of 8 to 12 fluid ounces of ALSTAR NON-FOAMING ALGAECIDE per 1000 gallons of water. For treatment of a freshly cleaned spa, whirlpool, hot tub, decorative fountain, or pond, add initially 4 to 8 fluid ounces of ALSTAR NON-FOAMING ALGAECIDE per 1,000 gallons of water. Subsequent additions of 1 to 3 fluid ounces of ALSTAR NON-FOAMING ALGAECIDE should be made every 5 to 7 days after initial treatment for maintenance.

ALSTAR NON-FOAMING ALGAECIDE will prevent growth of most algae during the off-season winter months when pools are not in use. For pools which have been properly treated during the swimming season and are free of visible algae, add 41 to 65 fluid ounces of algacide per 10,000 gallons of water. If at the end of swimming season pools have some visible algae growth, add 76 to 117 fluid ounces per 10,000 gallons. It is necessary that a uniform distribution of algacide throughout the water and the pool be made for maximum effectiveness. If pool is not covered, it may be necessary to repeat the treatment one or more times during the season.

ALSTAR NON-FOAMING ALGAECIDE is compatible with those chemicals normally used to treat pools and spas and is effective at both acid and alkaline pH. ALSTAR NON-FOAMING ALGAECIDE can be used in pools and spas treated with chlorine chemicals and may reduce the amount of those chemicals normally required. However, do not mix ALSTAR NON-FOAMING ALGAECIDE with concentrated dry or liquid chlorine products.

**Storage and Disposal**

**STORAGE:** Do not contaminate water, food or feed by storage or disposal. Keep container closed when not in use. Leaking or damaged containers should be placed in plastic bag and discarded in trash. Mop up spills with clear water. All pesticides should be kept out of reach of children and stored away from food.

**DISPOSAL:** Do not reuse empty container. Wrap container and place in trash.

**ACCEPTED**  
JUN 29 2004  
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 1448-347

**Manufactured by**  
**Buckman Laboratories, Inc.**  
1256 North McLean Blvd.  
Memphis, Tennessee 38108, USA  
**(901) 278-0330 or 1-800-BUCKMAN**

EPA Est. No. 1448-TN-1  
EPA Reg. No. 1448-347  
Product Weight 8.5 lbs/gal. 1.02 kg/l  
Net contents are marked on the container.

**HMS / NPCA Ratings**

Health 1 Flammability 1 Reactivity 0

Last Revision 3/29/2004

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