

Label 8/3/87

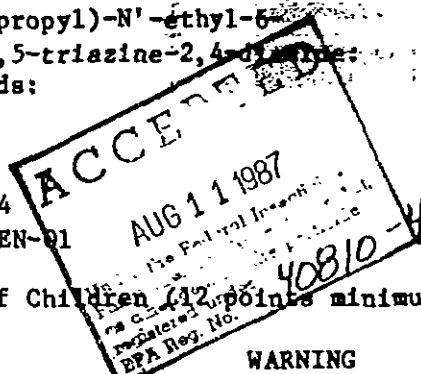
BELLACIDE® 322

For Industrial or Institutional Use Only
For Control of Algae in Recirculating Water Cooling Towers and
Decorative/Ornamental Fountains

Active Ingredients:

N-(1,2-Dimethylpropyl)-N'-ethyl-6-	9.8%
(methylthio-1,3,5-triazine-2,4-dithione)	0.2%
Related Compounds:	90.0%
Inert Ingredients:	100.0%
Total:	

EPA Reg. No. 40810-4
EPA Est. No. 49552-EN-01



Keep Out of Reach of Children (12 points minimum)

WARNING

Refer to left panel for additional precautionary statements.

PRECAUTIONARY STATEMENTS (12 points minimum)

HAZARD TO HUMANS AND DOMESTIC ANIMALS

WARNING (18 points minimum)

Causes eye irritation. Do not get in eyes. Harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing vapors or spray mist. Avoid contact with skin and clothing. Wash thoroughly after handling. Remove and wash contaminated clothing before reuse.

Statement of Practical Treatment

- Eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
- Skin: Immediately flush skin with plenty of water. Get medical attention if irritation persists.
- Ingestion: If conscious, give plenty of water and induce vomiting by placing finger in back of throat. Get medical attention.
- Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

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ENVIRONMENTAL HAZARDS

Use only in systems where treated effluent is discharged into a sanitary sewage system or similar sewage treatment facility. Do not use where cooling tower effluent is discharged directly into lakes, ponds, streams, or public waters.

Do not contaminate domestic, livestock, or irrigation water supplies, or lakes, ponds, or streams. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

STORAGE AND DISPOSAL (12 points minimum)

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

Pesticide Disposal

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

Container Disposal

Triple rinse (or equivalent). Then offer for recycling or reconditioning, 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. ✓

Important

Read the entire Conditions of Sale and Warranty and label directions before using this product.

GENERAL INFORMATION

Heavy algae growth contributes to restricted water flow through water cooling towers, thereby impairing the efficiency of the system, especially heat-exchange efficiency. BELLACIDE 322 removes existing algae and prevents the re-establishment of algae when used according to directions, functioning as an algistat by inhibiting the photosynthetic process.

Clean badly fouled systems before treatment. It is recommended that treatment be used prior to the first signs of algal infestation, otherwise, begin treatment in the early stage of algal growth, or after cleaning a system whose efficiency is already impaired by algal growth. Apply at a point in the system where BELLACIDE 322 will be uniformly mixed, such as in the tower sump or the fountain recirculating pump.

BELLACIDE 322 is compatible with chemicals normally used to treat decorative/ornamental fountains. It is not readily lost by absorption onto organic material. It does not cause foaming problems. The activity of BELLACIDE 322 does not depend on the system water pH; it can be used in systems within the pH range 2-12.

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BELLACIDE 322 is particularly effective in controlling two of the most common green algae found in aqueous systems, *Chlorella vulgaris* and *Chlorella pyrenoidosa*. It also demonstrates particular effectiveness against *Scenedesmus spec.*

DIRECTIONS FOR USE

General Classification

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

When to Apply

Treat cooling towers early in the algae growth period before the system is in jeopardy of becoming affected, or after cleaning of badly fouled systems. Treat decorative/ornamental fountain systems early in the algae growth period when the system is in jeopardy of becoming affected. For maximum effectiveness, fountains containing heavy algae growth should be cleaned prior to using BELLACIDE 322.

Treatment

Initial Dose: Apply 1.2 fluid ounces of BELLACIDE 322 per 1,000 gallons of water in the system. (This dosage is equivalent to 10 ppm of product or 1.0 ppm of active ingredient.) BELLACIDE 322 may be applied to the cooling tower decorative fountain system by slug dosing or continuous addition. Depending upon the strain of algae present, concentrations below 10 ppm of product (1 ppm active ingredient) may give adequate control. Experience will demonstrate what concentration should be maintained. BELLACIDE 322 is slow to remove algae from a system; therefore, its action will not result in rapid fouling of the distribution deck orifices or heat exchanger of a cooling tower. Apply BELLACIDE 322 at a point in the system where there is good mixing, such as in the tower sump near the recirculating pump in cooling towers or near the recirculating pump in decorative fountains.

Subsequent Dose: When control of algae is evident, apply the amount of BELLACIDE 322 per 1,000 gallons of water in the system needed to keep the system clear. Do not exceed 1.2 fluid ounces of BELLACIDE 322 per 1,000 gallons of water in system.

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Precaution

Do not use BELLACIDE 322 in cooling towers or decorative/ornamental fountains where the treated water will come into contact with lawns, trees, shrubs, or other desirable plants, since injury may result.

Conditions of Sale and Warranty

The Direction for Use of this product reflect the opinion of experts, based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness, or other unintended consequences, may result because of such factors as the presence of other materials or the manner of use, all of which are beyond the control of CIBA-GEIGY or the seller. All such risks shall be assumed by the buyer.

The following supercedes any provision in your company's forms, letters and papers. CIBA-GEIGY makes no warranty, whether expressed or implied, including warranties of merchantability or of fitness for a particular purpose for this product. No statements or recommendations contained in the product literature are to be construed as inducements to infringe any relevant patent now or hereafter in existence. Under no circumstances shall CIBA-GEIGY be liable for incidental, consequential or other damages from alleged negligence, breach of warranty, strict liability or any other theory, arising out of the use or handling of this product. The sole liability of CIBA-GEIGY for any claims arising out of the manufacture, use or sale of its products shall be for the buyer's purchase price.

CIBA-GEIGY Corporation
Plastics & Additives Division
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Hawthorne, NY 10532

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