

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (TS 767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.

40810-13

DATE OF ISSUANCE

JUL 31 1990

TERM OF ISSUANCE

NOTICE OF PESTICIDE:

☒ REGISTRATION
☐ REREGISTRATION

(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT

Bellacide 325

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Ciba-Geigy Corporation
Additives Division
Seven Skyline Drive
Hawthorne, NY 10532

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an endorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Add the phrase "EPA Registration No. 40810-13" to your label before you release the product for shipment.
3. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.


John H. Lee

Product Manager (31)
Antimicrobial Program Branch
Registration Division (H7505C)

Enclosure

☐ ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

Label March 21, 1990

BELLACIDE® 325

For Control of Algae in Recirculating Cooling Water Systems and in
Decorative and Ornamental Fountains.

For Industrial and Institutional Use.

Active Ingredient:

Terbuthylazine: 2-(tert -butylamino)-4-chloro-6-(ethylamino)- s-triazine	4.0%
Inert Ingredients	96.0%
Total	100.0%

EPA Reg. No. 40810 -
EPA Est. No. 32761-MO-3

Bellacide 325 is an aqueous dispersion.

Keep Out of Reach of Children

CAUTION

See left panel for additional precautionary statements.

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Precautionary Statements**Hazards to Humans and Domestic Animals****CAUTION**

Harmful if swallowed or absorbed through the skin. Avoid contact with skin and clothing. Wash thoroughly after handling. Remove and wash contaminated clothing before reuse.

Statement of Practical Treatment

Eyes: Flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin: Flush skin with plenty of water or wash with mild soap and water.

If swallowed: If conscious, give plenty of water and induce vomiting by placing finger in back of throat. Get medical attention.

Environmental Hazards

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

Storage and Disposal

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

Storage: Protect from freezing.

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 incinerate or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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Directions for Use

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

Bellacide 325 controls algal growth in various recirculating cooling water systems, including evaporative condensers, heat-exchange water systems, and commercial and industrial cooling towers.

When to Apply

Treat the water early in the algal growth period (typically early spring) before the system is in jeopardy of becoming fouled by algae. For maximum effectiveness, systems with heavy algal growth should be cleaned before using Bellacide 325.

Treatment of Algae in Recirculating Water Cooling Towers and in Decorative and Ornamental Fountains

Apply Bellacide 325 at a point in the system where there is good mixing, such as in the cooling tower sump near the recirculating water pump or near the fountain recirculating water pump. Bellacide 325 is slow to remove algae from a system because it inhibits their growth, and therefore, its action will not result in rapid fouling of the distribution deck orifices or the heat exchanger of a cooling tower.

Chlorinated and/or Brominated Systems

(i) Continuous Addition

To keep systems free of algae maintain up to 3 fluid ounces per 1,000 gallons of water, or about 25 ppm, of Bellacide 325 in the system water (which is equivalent to about 1 ppm active ingredient) in conjunction with either continuous dosing or regular shock doses (for example, one hour, twice a day) of 0.1 - 1 ppm free chlorine and/or bromine. In order to achieve a maintenance level of 25 ppm Bellacide 325 by continuous addition it will be necessary to have an appropriate dosing pump and know the half-life, volume, evaporation rate and windage loss of the system.

(ii) Slug/Intermittent Addition

Apply sufficient Bellacide 325 to maintain up to 25 ppm Bellacide 325 in the system water together with chlorination and/or bromination as described under the continuous addition section. Dosing concentrations and frequency will be dependent upon a system's volume and half-life. For example, to maintain 25 ppm Bellacide 325 in a system with a volume of 10,000 gallons and a half-life of 3 days, an initial dose of 50 ppm Bellacide 325 would be required (about 60 fluid ounces in 10,000 gallons), followed by additions of 25 ppm Bellacide 325 (about 30 fluid ounces in 10,000 gallons) every 3 days.

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For both continuous and slug/intermittent addition of Bellacide 325, concentrations below a maintenance level of 25 ppm Bellacide 325 may give adequate control, depending upon the strains of algae present. Experience will demonstrate the maintenance concentration required.

It is recommended that Bellacide 325 be dosed at the same time as the chlorine and/or bromine is dosed and as close as possible to the chlorine and/or bromine dosing point.

Non-Chlorinated and/or Brominated Systems

Bellacide 325 should be dosed to maintain up to 9 fluid ounces per 1,000 gallons of water, or about 75 ppm, Bellacide 325 (which is equivalent to about 3 ppm active ingredient) in the system water. Bellacide 325 can be dosed either continuously or by slug/intermittent addition to the system water to achieve the desired maintenance level. The quantity and frequency of Bellacide 325 additions to any given system will be dependent upon its half-life, volume, evaporation rate and windage loss.

For both continuous and slug/intermittent addition of Bellacide 325, concentrations below a maintenance level of 6 ppm Bellacide 325 may give adequate control, depending upon the strains of algae present. Experience will demonstrate the maintenance concentration required.

Precaution

Do not use Bellacide 325 in cooling systems or fountains where the treated water will come into contact with lawns, trees, shrubs, or other desirable plants, since injury may result. Water from treated systems may not be used for irrigation or spraying of agricultural crops, lawns, or ornamental plants, or for watering cattle, goats, hogs, horses, poultry, or sheep, or for human consumption.

Conditions of Sale and Warranty

The Directions 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.

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CIBA-GEIGY makes no warranty, whether expressed or implied, including warranties of merchantability or of fitness for a particular purpose for this product. 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.

Net Weight:
Product No.:
Batch No.:

CIBA-GEIGY Corporation
Additives Division
Seven Skyline Drive
Hawthorne, NY 10532

Emergency (Health or Accident):
914-347-4700 (Days)
800-888-8372 (After-hours)

BS:bj:4108h

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