



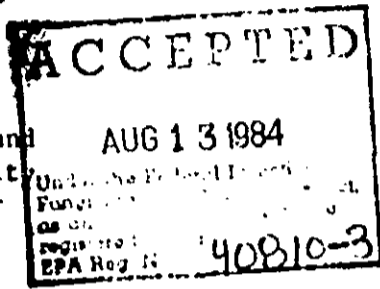
1087

1/01/84

Belclene® 313

Algicide

For Control of Algae and
Certain Weeds in Utility
Cooling and Wastewater
Treatment Ponds



Active Ingredient
 Simazine: [2-chloro-4,6-bis
 (ethylamino)-s-triazine].... 80%
 Inert Ingredients..... 20%
 Total..... 100%

EPA Reg. No. 40810-3
EPA Est. No. 100-AL-1

Belclene 313 is a wettable powder

Keep Out Of Reach
Of Children (12 points minimum)

CAUTION (18 points minimum)

BEST DOCUMENT AVAILABLE

*See signal word based on the fact that
this is a 100% simazine formulation. The
precautionary statements have been revised
in line with latest available labeling for this product.*

Twenty-five pounds
Net Weight

CIBA-GEIGY

CR

40810-3

PRECAUTIONARY STATEMENTS (12 points minimum)
Hazards to Humans and Domestic Animals

CAUTION (18 points minimum)

Causes eye irritation. Harmful if inhaled or absorbed through the skin. Avoid breathing dust or spray mist. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

Statement of Practical Treatment:

If in Eyes: Immediately flush with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

If on Skin: Wash with mild soap and water.

If Inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

Environmental Hazards

Do not contaminate domestic, livestock, or irrigation water supplies, or lakes, or streams. Do not contaminate water supplies by cleaning of equipment or disposal of wastes.

STORAGE AND DISPOSAL (12 points minimum)

Storage: Store in a dry place. 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 onsite or at an approved waste disposal facility.

Container Disposal: Completely empty bag by shaking, and tapping sides and bottom to loosen clinging particles, into application equipment. Then dispose of empty bag 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 for Use before using this product.

BEST DOCUMENT AVAILABLE

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 use 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.

General Information

Belclene 313 may be used in ponds containing water, or may be applied to the bottoms of drained ponds for control of several aquatic weeds and algae. Control of weeds is usually season-long. Algae may be controlled for one to three months or may require retreatment later in the season. In ponds containing fish, applications should not be made to water during prolonged periods of hot weather because levels would normally be low at these times and treatment could induce additional oxygen stress to fish, resulting occasionally in fish kills. If fish stress is observed, aerate the water by any method to reduce the chances of a fish kill. Use only in ponds which have little or no outflow after treatment. Do not use Belclene 313 as spot treatment.

Directions for Use

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

Apply fertilizer 7-10 days after a Belclene 313 application in ponds that have a regular fertilization program. A few days delay in bloom of planktonic algae and a reduction in the extent of bloom may occur when Belclene 313 is used in ponds that receive fertilization.

Applications to Water

When to Apply

Treat ponds early in the weed and algae growth period. Treat when 5-10% of the pond surface is covered with algae mats or scum and/or while submerged aquatic weeds are actively growing, but before they reach the surface of the water. Usually, this will be between April 1 and May 15 in southern areas and between May 1 and June 15 in northern areas.

High water temperatures cause rapid decay of dead weeds and algae. This leads to reduced oxygen content which can cause fish stress and/or death. Apply Belclene 313 before water temperature exceeds 75°F (22°C).

Do not treat ponds with heavy infestations of weeds and/or algae, such as occurs in mid and late summer, since decomposition of heavy vegetative growth greatly reduces oxygen content of water which can cause fish stress and/or death.

How to Apply

After determining the amount of Belclene 313 required to treat the entire pond, mix convenient portions, such as 5 or 10 pounds, with enough water in a pail or bucket to form a thin paste or slurry. Toss the paste or slurry into the pond from the shoreline. Repeat this operation at several locations around the pond until the required amount has been applied. It is not necessary to use spray equipment or to evenly distribute Belclene 313 over the surface, since it will dissolve in water and evenly distribute itself throughout the entire pond. Do not spill paste or slurry on pond banks as injury to vegetation will occur.

Rates of Application

The appropriate rate of Belclene 313 depends on the types of algae or weeds present and the extent of infestation. Rates are given in pounds of Belclene 313 per acre foot of water. Determine the number of acre feet of water in a pond by multiplying the surface acres by the average depth in feet.

Algae Control

Most unicellular algae (algae which impart a green, yellow, red, or brown turbid color to the water) and many floating mat (pond moss) algae may be controlled with 1.7 to 3.4 pounds Belclene 313 per acre foot of water. If the algae infestation is light, use 1.7 pounds. If moderate, use 2.5 to 3.4 pounds of Belclene 313 per acre foot.

BEST DOCUMENT AVAILABLE

Cladophora, Chara, Hydrodictyon (water net algae), Pithophora, and most other algae which form on the pond bottom (benthic), or which produce underwater plumes that break loose and float on the surface, require 4.25 pounds of Belclene 313 per acre foot of water. Two applications of 4.25 pounds of Belclene 313 per acre foot of water are usually required for control of Pithophora. If a second treatment is needed, apply at the first sign of algae buildup.

Algae control should occur within three to fourteen days after application, depending upon type of algae. Unicellular algae are usually controlled sooner than benthic filamentous algae.

Due to uncontrollable factors such as infestation with later appearing algae, some ponds may require retreatment in mid or late summer. If retreatment becomes necessary, apply at the first signs that algae (mats or moss) is building up. Do not treat just before freezing is expected, since water oxygen levels may be lowered during ice cover.

Weed Control

Submerged weeds, including pond weeds (*Potamogeton* spp.), naiad (*Najas* spp.), watermilfoil (*Myriophyllum* spp.) and coontail (*Ceratophyllum* spp.) may be controlled with 3.4-6.8 pounds of Belclene 313 per acre foot of water. Use 3-4 pounds for light infestations and 5.1 to 6.8 pounds per acre foot of water for moderate infestations. For control of fanwort (*Cabomba* spp.), use 8.5 pounds of Belclene 313 per acre foot.

Control of submerged weeds, except coontail, occurs in 4-6 weeks. Coontail control may require 10 weeks.

Floating weeds, including duckweed (*Lemna* spp.) and watermeal (*Wolffia* spp.) may be controlled with 3.4-6.8 pounds of Belclene 313 per acre foot of water. Within this range, use lower rates for light infestations and higher rates for moderate infestations.

Where watermeal occurs alone or with other weeds, control is most effective with the split application. Apply one-half of the recommended rate initially followed in 3-4 weeks with a repeat application if control is not satisfactory.

Control of duckweed occurs in 1-5 weeks and watermeal in 5-9 weeks.

Application to Bottoms of Ponds with Draining Capabilities

Treat bottoms of drained ponds having a minimum average depth of two feet before regrowth of existing submerged weeds begins or before new weeds emerge.

BEST DOCUMENT AVAILABLE

Allow at least 72 hours for Belclene 313 to become absorbed in the soil before refilling the pond.

Sprinkler irrigation or gentle rainfall after applying Belclene 313 will help move Belclene 313 into the surface soil, enhancing its effectiveness. Heavy rainfall during this period may erode treated soil, resulting in poor weed control.

Mixing Instructions

Make a slurry by adding Belclene 313 to a small amount of water in a separate container. Then pour the slurry into the spray tank partially filled with clean water, and add the rest of the water. Apply Belclene 313 with constant agitation in 20-40 gallons of water per acre. Do not spill the slurry on banks as injury to vegetation will occur.

Spray Equipment

Use conventional spray equipment with fan-type nozzles. Screens in nozzles, as well as those in suction and in-line strainers, should be no finer than 50-mesh.

Use a pump with capacity to maintain 35-40 psi at the nozzles. If hydraulic agitation is used, the pump should also provide sufficient agitation in the tank to keep the mixture in suspension.

Wash sprayer thoroughly with clean water immediately after use.

Avoid application under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur.

Algae Control

Apply 10-12.5 pounds of Belclene 313 per acre as a broadcast spray for control of the algae indicated under the section, Applications to Water. Use 10 pounds per acre for expected light infestations and 12.5 pounds per acre for expected heavy infestations.

Weed Control

Apply 10-15 pounds of Belclene 313 per acre for control of American lotus, duckweeds, fanwort, naiad, pond weeds and watermilfoil.

Within the rate range, use the lower rate of Belclene 313 for soils with large amounts of sand or where there have been light infestations of weeds, or where algae dominates. Use the higher rate for soils high in silt and clay and where there have been heavy infestations of weeds.

BEST DOCUMENT AVAILABLE

40810-3

- 7 -

Note

Do not apply more than once each year to bottoms of drained ponds.

Use of Water

Water from treated ponds may not be used for irrigation or spraying of agricultural crops, lawns, or ornamental plantings, or for watering cattle, goats, hogs, horses, poultry, or sheep or for human consumption.

Precaution

Do not treat ponds which have bordering trees with roots visibly extended into the water, since injury to these trees may occur.

CIBA-GEIGY Corporation
Plastics and Additives Division
Three Skyline Drive
Hawthorne, NY 10532
(914) 347-4700

BS/mm/7200, B6-11

BEST DOCUMENT AVAILABLE

