

- Controls the growth of algae, bacteria, and fungi in recirculating water systems
- Can be slug fed, drip fed or fed with a chemical solution pump.
- Effective in both alkaline and acid waters
- Does not cause foam like most algaecides
- Non-volatile
- EPA Registration No. 1448-233-65516

## Water Treatment Products

### No. 85 Algaecide



### Description

No. 85 Algaecide, is a polymeric, cationic biocide that has been developed for controlling the growth of algae, bacteria, and fungi in recirculating water systems such as cooling towers, evaporative condensers, closed cooling water systems and industrial air-washing systems.

### Purpose

Algae are microscopic plants that grow rapidly in cooling towers, spray ponds and other recirculating systems exposed to sunlight. These free-floating growths can be carried to the condenser or heat exchanger by the condenser or heat exchanger by the recirculating water where they lodge and act as binders for sludge and suspended matter. In addition, algae can contribute to the formation of slime deposits by providing organic matter necessary for the growth of bacteria. These biological growths restrict water flow, reduce heat transfer efficiency and increase head pressures, all of which result in lower efficiency and increased power and service costs. Treatment of recirculation water with No. 85 Algaecide prevents growths of algae and bacteria from developing to the point where they cause the problems described.

### Feed Requirements

**Initial Dosage:** When the system is just noticeably fouled, slug 1.9–4.75 ounces of No. 85 Algaecide for each 1000 gallons of water in the system to provide a concentration of 16–40 ppm of No.85 Algaecide. Repeat until control is achieved.

**Subsequent Dosage:** Subsequent additions of 0.47–4.75 ounces of No. 85 Algaecide per 1000 gallon of water (4–40 ppm) should be employed on a continuous basis through use of the Nu-Calgon Wholesaler Drip Feeders. Use 1/6 of a gallon per month for every 50 gallon per hour of bleed off that is being maintained on the system and the recommended residual (4–40 ppm) will be achieved. See drip feed Chart A on back page for details.

### Control

No control testing is required other than visual examination of the system to assure that proper control is being maintained.

### Packaging

1 gallon bottle	<b>4108-08</b>
15 gallon drum	<b>4108-P3</b>

## Drip Feeding

If the bleed off in gallons per hour is known, the amount of No. 85 Algaecide required per month can be established from the use ratio of “1/6 gallon per month for every 50 gallons/hour of bleed.”

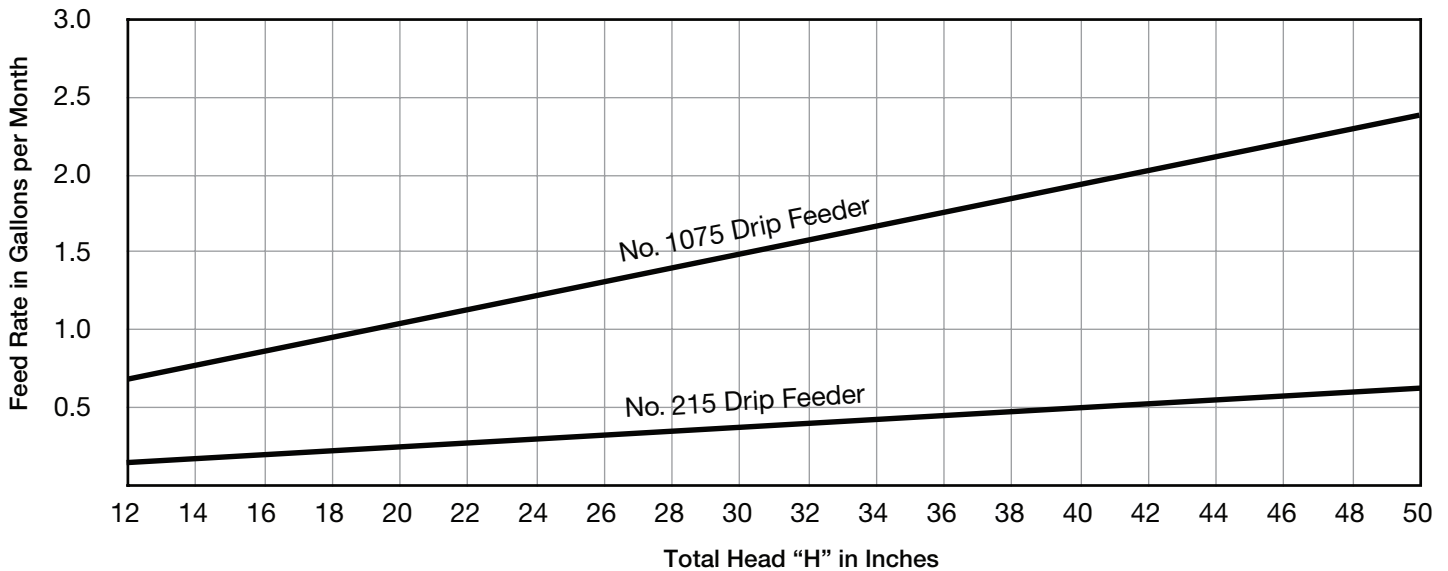
Once the monthly requirement is known, refer to Chart A for selection of drip feeder(s) and Head (H) length(s).

If bleedoff is not known, consult Nu-Calgon for recommendations or use Chart B.

Read and understand the product’s label and Material Safety Data Sheet (“MSDS”) for precautionary and first aid information.

The MSDS is available on the Nu-Calgon website at [www.nucalgon.com](http://www.nucalgon.com).

### Chart A



### Chart B

Size of System in Tons	Container of No. 85 Algaecide	Drip Feeder Model and Required Head (H)	No. of Months Required to Empty Bottles
Up to 50	1 gallon	1 No. 215 at 16 inches	6
50 – 100	1 gallon	1 No. 215 at 26 inches	3
100 – 150	1 gallon	1 No. 215 at 45 inches	2
150 – 200	1 gallon	1 No. 1075 at 12 inches	1.5

