



## **BELCAN** **Microbiocide – Biodispersant**

### **Description**

BELCAN is an effective biocide for controlling algae and slime growths. It is a liquid, non volatile, water soluble compound with the added advantage of being non-toxic. It has a high degree of bactericidal and bacteriostatic activity, and is effective against a wide variety of bacteria, fungi, seaweed and algae. It is a mixture of quaternary ammonium chloride compounds and other biocidal agents in a stable buffered solution for use in recirculating cooling tower water systems, air washers and evaporative condensers.

BELCAN may be used in any system without the need for costly, special feeding equipment.

### **ADVANTAGES OF BELCAN**

Since BELCAN is non-volatile, its concentration in a cooling system is independent of the circulation rate. The concentration is decreased by bleed-off, by reaction with growths, and by absorption upon the interior surfaces of the system. Effective treatment requires attaining a relatively high concentration in the system for a short length of time, rather than maintaining a small residual continuously.

When initiating the use of BELCAN in any system, it is essential that a higher treatment rate be followed for a period of 4 to 6 weeks. This schedule will serve not only to remove heavy infestations of slime and algae growths, but will also make it possible to saturate the surfaces of the system with BELCAN.

### **Dosage**

BELCAN should be normally applied in a concentration of 20 – 40 PPM once a week.

The above dosage can be increased or decreased depending on the temperature, on visual inspections, microbiological analysis and / or experienced observations of a water treatment representative.

### **DISADVANTAGES OF ORDINARY ALGICIDES**

Many of the chemicals which are being used for algae control exhibit an initial period of apparent effectiveness, followed by renewed growth of the organisms. Due to mutation of the organism, such renewed growth indicates the development of resistant microbiological strains. These slime and algae deposits will promote corrosion since they liberate oxygen. Even some of the ordinary treating chemicals, such as chlorine, are themselves corrosive, frequently attacking the wooden surfaces of the cooling tower, causing delignification. Many are also toxic and irritating, such as organometallic compounds, requiring special handling precautions.

**Compatible with most water treatment products, except anionic surfactants.**



**Caution:**

Avoid contact with skin and eyes. For further information refer to Material Safety Data Sheet (M.S.D.S.).

**EUROCHEM BIOCIDES PROGRAM**

In order to avoid mutation of organisms which make them resistant to biocides the process we recommend is a four-week cycle as follows:

Use BELCAN for three weeks and for the fourth week use our product BIO-3290.

The organisms that have become habituated to BELCAN are immediately destroyed by BIO-3290.

Repeat the procedure from the beginning. Use BELCAN for three weeks and BIO-3290 for the fourth week.