

L O N Z A

BARDAC CW-50

Low Foam Twin-Chain Quaternary Ammonium Compound Concentrate
Slime Control in Paper Processing
Water Treatment Microbiocide
for Recirculating Industrial Cooling Systems

**COMMERCIAL
DANGER**



POISON



CORROSIVE

GUARANTEE:

Decyl isononyl dimethyl ammonium chloride.....50.00%

READ THE LABEL BEFORE USING

**REGISTRATION NO. 25720 PEST CONTROL
PRODUCTS ACT**

NET CONTENTS:

Manufactured by:
Lonza Inc
90 Boroline Road
Allendale, NJ 07410

DIRECTIONS FOR USE:

Bardac CW-50 will control algae and bacterial slimes found in recirculating cooling tower systems (evaporates condensers, heat exchange water systems, commercial and industrial cooling towers, influent systems such as flow-through filters and lagoons, industrial water scrubbing systems and brewery pasteurizers) and pulp and paper mills, Bardac CW-50 helps clean and loosen slime debris from cooling and flooding systems surfaces. When used in slug doses, no other microbiocide is required. Bardac CW-50 is designed to produce low foam and is economical to use because it is concentrated. It should be handled with care.

Bardac CW-50 may be metered, pumped, gravity fed or poured from a suitable container into the treatment system. Centrifugal, injection, piston or diaphragm pumps are satisfactory. Algicide feed pumps, meters and feed lines may be stainless steel, neoprene, glass, plastic or unpigmented fibreglass.

Recirculating Water Cooling Systems

Initial Treatments: To a visually clean system or when algae or slime is first visible, to sump water near pump suction, add 100 to 1200 mL of Bardac CW-50 for each 10,000 L of water (5-60 ppm active) in the system. Repeat initial dose until algae and slime control are evident. Badly fouled systems should be cleaned before initializing treatment

Maintenance Treatments: The frequency at which additional dosages must be added to control slime and algal growth can only be determined by experience, since each system will vary in water composition and in amounts and types of microorganisms present. After initial control is achieved, maintenance doses of 30 to 1000 mL for each 10,000 L of water (1.5-50 ppm active) should be provided daily, weekly or bimonthly as required. The dosage frequency for algae control is typically less than that for control of bacterial slimes. Biweekly treatment is frequently sufficient to control green algae.

Feeding: Bardac CW-50 may be fed directly from the drum or diluted with water and fed by a suitable feed system. Dose directly into the sump or any other convenient location providing good distribution of treatment.

Paper Manufacturing (for control of bacteria, fungi and algae): Bardac CW-50 can be used as a slimicide in the manufacture of paper and paperboard that does not contact food. Apply 0.20-38 L of Bardac CW-50 per ton of paper produced. Alternatively, apply 0.1-20 L of Bardac CW-50 per 100,000 L of white water to be treated, which corresponds to the concentration of 0.5-100 ppm, active ingredient. Additions of Bardac CW-50 should be made at a point in the system where mixing action is good

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Corrosive to skin and eyes. May be fatal if swallowed or inhaled. Do not get in eyes, on skin or clothing. Do not swallow. Do not inhale vapour, fumes or mist. Do not contaminate food. Wear long sleeved shirt and long pants, goggles or a face shield and chemical resistant gloves when handling. Wash thoroughly after handling.

FIRST AID:

If in eyes, hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice. If on skin, take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice. If swallowed, call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. If inhaled, Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION:

Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed. Avoid alcohol.

ENVIRONMENTAL HAZARDS:

1. This product is highly toxic to fish, aquatic invertebrates and birds,
2. Do not discharge effluents containing this product directly into lakes, streams, ponds, rivers, estuaries, oceans or public waters. Detoxify the effluents before release.
3. Do not contaminate these waters by direct application of the product, cleaning of containers and equipment or disposal of wastes.

DISPOSAL:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial/territorial instructions for any required additional cleaning of the container prior to disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial/territorial requirements.
5. For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

NOTICE TO USER:

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

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