

The presence of foam in recirculating cooling towers impairs the performance of the unit. Loss of heat transfer and pressure fluctuations are two of the problems encountered when foam is present in the recirculating water system. One of the possible causative agents is the microbiocides added to control algae and algae slimes. DART-472, by design, is a low foaming microbiocide. When used as directed it will control algae and algae slimes found in recirculating cooling tower waters and not introduce a foam problem.

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

DANGER

KEEP OUT OF REACH OF CHILDREN

Corrosive. Causes severe eye and skin damage. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Treatment effluent should not be discharged where it will drain into lakes, streams, ponds, or public waters unless, in accordance with an NPOES permit. For guidance contact regional EPA office.

PHYSICIAN HAZARDS

DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME.

STORAGE & DISPOSAL
DO NOT CONTAMINATE WATER, FOOD,
OR FEED BY STORAGE OR DISPOSAL

STORAGE: Protect from freezing and temperatures in excess of 140° F. Keep container closed when not in use. If contents are spilled or leaked due to container damage, collect liquid with absorbent material and dispose of in accordance with local, state and federal pesticide disposal regulations.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Metal Containers - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic Containers - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

FEB 25 1966

DART-472

**TWIN-CHAIN QUATERNARY
AMMONIUM COMPOUND CONCENTRATE
LOW FOAM WATER TREATMENT MICROBIOCIDICIDE
FOR BUILDING AND INDUSTRIAL
COOLING TOWERS**

ACTIVE INGREDIENT:

Diocetyl dimethyl ammonium chloride	10%
INERT INGREDIENTS	90%
TOTAL	100%

This product contains 0.82 lbs. of active ingredient per gallon and weighs 8.19 lbs. per gallon

**KEEP OUT OF REACH
OF CHILDREN
DANGER**

STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution; or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

**SEE LEFT PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENT**

EPA Registration No.: 35495-9
EPA Establishment No.: 35495-OR-1

Manufactured by:

chemax

5700 n.w. front
portland, or 97210

NET CONTENTS:

_____ LBS.

DIRECTIONS FOR USE
GENERAL CLASSIFICATION

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

To control algae and algae slimes, use DART-472 as directed. For best results, slug feed. The frequency or addition of microbiocides needed depends on many factors. To optimize your use of this product, follow this procedure:

1. Initially use 80 fluid ounces per 1,000 gallons of water to be treated (80 ppm active quaternary). Should the above dosage not give satisfactory results, use 105 fluid ounces per 1,000 gallons of water. Repeat the initial dose every seven days or increase the frequency if needed.
2. When the above treatment level is successful, use 30 to 45 fluid ounces per 1,000 gallons of water to maximize efficiency. Repeat weekly as needed. Should slime develop again, return to initial dosage.

Cooling tower waters that are inherently low in algae growth may be adequately controlled by the lower range of these dosages; slug feed every seven days.

Dilute the appropriate amount of DART-472 in 1 to 2 gallons of water then add to the sump of the tower. Note, this product weighs 8.19 lbs. per gallon (at 20° C).

Should tower be heavily fouled, a precleaning is required.

NON-WARRANTY:

Manufacturer or Seller makes no Warranty, expressed or implied concerning the use of this product other than for the purposes indicated on the label. Manufacturer or Seller is not liable for any injury or damage caused by this product due to misuse, mishandling or any application not specifically described and recommended on the label.

Authorized by USDA for use in Federally inspected meat and poultry plants.