



VULCAN #89 ALGAEICIDE

Concentrate Algaeicide for industrial recirculating water cooling towers. Helps keep water cooling tower systems clear and free of visible algae slimes.

ACTIVE INGREDIENTS

Percent by Weight

ABEAL 60 C₁₄H₃₀Cl₂N₂O₂
 dimethylbenzyl ammonium chloride
 ABEAL 65 C₁₂H₂₂Cl₂N₂O₂
 dimethylbenzyl ammonium chloride

INERT INGREDIENTS

100

NET CONTENTS: 55 Gallons EPA REG. NO. 11743-4

KEEP OUT OF REACH OF CHILDREN

DANGER: 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. Rinse empty container thoroughly with water and discard.

FIRST AID: 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 all contaminated clothing before reuse. If swallowed, drink milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Call a physician.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

Vulcan #89 Algaeicide is compatible with virtually all corrosion inhibition additives, but should not be used in the presence of soap or other anionic detergents. Vulcan #89 Algaeicide at use dilution is non-corrosive to inanimate hard surfaces.

Directions for Use: Apply Vulcan #89 Algaeicide when the system is in jeopardy of becoming affected or after cleaning system whose efficiency is already impaired.

Initial Dose: 1-2 gallons Vulcan #89 Algaeicide to each 5,000 gallons of water contained in the system (20-40 ppm active quaternaries). Repeat until control is evident.

Periodic Dose: When system is in control, add 1-3 quarts Vulcan #89 Algaeicide to each 5,000 gallons of water (5-15 ppm active quaternaries) contained in the system every 7 days or sooner should visible growth appear.

For best results, clean heavily contaminated systems before treatment with this product. If soap or anionic detergent is used, rinse thoroughly before charging with Vulcan #89 Algaeicide. Apply Vulcan #89 Algaeicide at a point in the system where uniform mixing will take place.

Fish and/or Wildlife Precautions: This product is toxic to fish. Treated effluent should not be discharged where it will drain into lakes, streams, ponds or public waters. Apply this product only as specified on this label. Do not reuse empty drum. Return to drum conditioner or destroy by perforating or crushing and burying in a safe place away from water supplies.

ACCEPTED
 APR 30 1974
 UNDER THE FEDERAL PESTICIDE
 FUNGICIDE AND RODENTICIDE ACT
 FOR ECONOMIC POISON REGISTERED
 UNDER NO. 11160-1 SUBJECT
 TO ATTACHED CONDITIONS

DIRECTIONS

FOR CLEANING

Lightly soiled areas — surfaces to be cleaned should be mopped or brushed with a solution containing 1 ounce of **EDSAN Q-A** per gallon of water. Rinse cleaned area with fresh water.

Heavily soiled areas — mop or brush soiled surface with a solution containing 2-3 ounces of **EDSAN Q-A** per gallon of water. Rinse cleaned surface with fresh water.

GENERAL PURPOSE DISINFECTION

To disinfect walls, floors, and other hard surfaces in homes, schools, restaurants, rest rooms and other public areas, mop or brush surface to be treated with a solution containing 1 ounce of **EDSAN Q-A** per gallon of water. Surfaces that are heavily soiled should be cleaned with 2 ounces of **EDSAN Q-A** per gallon of water and then disinfected. Those surfaces which may later come in contact with food must be rinsed with clear water of drinking quality.

To disinfect locker rooms, shower stalls, walkways around pools and other areas against pathogenic fungi, mop area with a solution containing 2 ounces in 3 gallons of water. This solution will destroy *Trichophyton interdigitale*, a causative agent of athlete's foot.

HOSPITAL DISINFECTION

To disinfect walls, floors, furniture and other hard surfaces in hospitals and nursing homes, mop or brush surface to be treated with a solution containing 2 ounces of **EDSAN Q-A** per gallon of water. Those surfaces that are heavily soiled with blood, fecal material or exudates should be thoroughly scrubbed with a solution containing 2 ounces per gallon of water and then rinsed with a fresh solution containing 2 ounces per gallon of water before disinfection.

SANITIZATION

To sanitize walls, floors and equipment in food processing plants, first clean thoroughly with a solution containing 1 ounce of **EDSAN Q-A** per gallon of water. If

Q-A

DISINFECTANT - CLEANER - SANITIZER - FUNGICIDE - DEODORANT

Phenos Coeff: *S. aureus* 35 - *S. typhosa* 42

ACTIVE INGREDIENTS

n-alkyl (50% C ₁₄ , 40% C ₁₂ , 10% C ₁₆) dimethyl benzyl ammonium chloride	5.0%
Tetrasodium salt of ethylene tetraacetic acid	2.3%
Sodium carbonate	2.0%
INERT INGREDIENTS	90.7%

DANGER — KEEP OUT OF REACH OF CHILDREN

See First Aid statement and additional precautions on side panel.

Container Disposal: When empty, rinse container thoroughly with water and destroy it by crushing or burying in a safe place.

MANUFACTURED BY

EPA Reg. No. 11760-1

NET CONTENTS

surface is heavily soiled, use **EDSAN Q-A** at a rate of 2-3 ounces per gallon to insure thorough cleaning. Sanitize cleaned surface with a rinse solution containing 1/2 ounce of **EDSAN Q-A** per gallon of water. All treated food contact surfaces must be rinsed with potable water prior to reuse.

DEODORIZATION

To deodorize surfaces during cleaning, mop or brush surfaces with a solution containing 2 ounces of **EDSAN Q-A** per gallon of water.

EDSAN Q-A is an effective antibacterial cleaner designed for use in household, industrial and institutional cleaning. When used as directed **EDSAN Q-A** will disinfect hard surfaces such as floors, walls, counter tops and furniture. It may be relied upon to deodorize bathroom areas, kennel areas, and other areas where obnoxious odors may develop. This product may be used as a general purpose antibacterial-antifungal detergent in homes, public rooms, food processing plants and in other areas where efficient cleaning and antimicrobial action is desired.

See left panel for use directions.

DANGER -- KEEP OUT OF REACH OF CHILDREN

Corrosive. Causes eye damage and skin irritation. Do not get in eyes or on skin or clothing. Protect eyes and skin when handling. Harmful or fatal if swallowed. Avoid contamination of food.

FIRST AID

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.