



Formula 24-A

POST OFFICE BOX 7 • SHANDON, OHIO 44870 • TEL: 419-291-1111

See attached page for
draft of label directions
to be printed in this area

ACTIVE INGREDIENTS:

- Alkyl (60% C₁₄, 30% C₁₆, 5% C₁₂, 5% C₁₈) dimethyl benzyl ammonium chloride 5.04%
- Alkyl (60% C₁₄, 30% C₁₆, 5% C₁₂, 5% C₁₈) methyl benzyl ammonium chloride96%
- INERT INGREDIENT: 94.0%

This product contains 26.4 lbs. of active ingredients per gallon and weighs 8.31 lbs. per gallon.

DIRECTIONS FOR USE: GENERAL CLASSIFICATION

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

Formula 24-A is used to control deposits caused by algae, bacteria, and fungi in open recirculating water systems. Prior to its use systems should be cleaned to remove algal growth, microbiological slime, and other deposits. An initial slug addition of 10 to 30 fluid ounces of Formula 24-A per 1,000 gallons of water to provide a concentration of 45 to 120 parts per million of Formula 24-A based on the total weight of water in the system is recommended. Repeat until control is achieved. Subsequent slug additions of 2 to 30 fluid ounces of Formula 24-A per 1,000 gallons of water (10 to 120 parts per million of Formula 24-A) should be employed every 2 to 5 days or as needed. The frequency of addition depends on the relative amount of bleed-off and severity of the microbiological problem. Slug additions should be made in the sump of water cooling towers.

Formula 24-A may also be used to control microbiological deposits in swimming pools, decorative fountains, and other recirculating water systems not used for drinking.

INITIAL APPLICATION: To a cleaned pool add one gallon to 25,000 gallons of water or ratio thereof.

MAINTENANCE DOSAGE: Use one quart per 25,000 gallons of water every 5-7 days. When weather is hot or bathing load is heavy use this dosage every 5 days or as necessary.

BOOSTER DOSAGE: Immediately after every rain add one quart per 25,000 gallons of water.

IMPORTANT: FOLLOW DIRECTIONS ABOVE EVEN WHEN POOL IS NOT IN USE.

POOL SIDE SURFACES: After cleaning surfaces, use one ounce to 2 gallons of water for cleaning or 1 ounce to one gallon of water for removing heavy deposits.

CAUTION: KEEP OUT OF REACH OF CHILDREN
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Avoid bypathing vapors. Avoid contact with skin, eyes, clothing.

FIRST AID: 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 physician immediately.

ENVIRONMENTAL HAZARDS.

This pesticide is toxic to fish. Do not use in streams, ponds. Permits may be required for discharge into streams, ponds, or public water. For guidance, contact the regional office of the Environmental Protection Agency.

STORAGE & DISPOSAL: Keep container closed when not in use. Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment. Rinse that cannot be used or reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies. Open dumping is prohibited.

METAL CONTAINERS: Triple rinse and offer for recycling, reconditioning, or disposal in an approved landfill or bury in a safe place.

PLASTIC CONTAINERS: Do not reuse empty container. Triple rinse and incinerate or dispose of in an approved landfill or bury in a safe place.

MANUFACTURED BY: WATER CHEMISTRY, INC./P.O. Box 4273
Roanoke, Virginia 24011

NET CONTENTS: with COMMENTS
in EPA Label Book

DEC 13 1977

EPA REG. No. 44811-7
EPA EST. NO. 24011-7
as per 40 CFR 152.101
registered under EPA Act of 1972

EPA EST. NO.

24011-7

44811-7



TECHNICAL DATA

FORMULA 24-A

DISPERSANT FOR
MICROBIOLOGICAL DEPOSITS

POST OFFICE BOX 4273 • ROANOKE, VIRGINIA 24015 • TELEPHONE (703) 989-0400

DESCRIPTION:

Formula 24-A is a liquid synergistic blend of microbiological deposit inhibitors that will effectively control deposits in cooling towers, condensers, decorative fountains, swimming pools, and other open water systems. ^{with other products} It is recommended for use as a total program for controlling microbiological deposits or may be used in combination with other scale and corrosion inhibitors.

SPECIFICATIONS:

Appearance: Clear, colorless liquid

Density: 8.31 lbs. per gallon

Specific Gravity: 0.99 at 25°

DEC 13 1962

Odor: Mild, fruit-like

Flash Point: None

APPLICATION:

Formula 24-A is used to control deposits caused by algae, bacteria, and fungi in open recirculating water systems. Prior to its use systems should be cleaned to remove algal growth, microbiological slime and other deposits. An initial slug addition of 10 to 30 fluid ounces of Formula 24-A per 1,000 gallons of water to provide a concentration of 40 to 120 parts per million of Formula 24-A based on the total weight of water in the system is recommended. Repeat until control is achieved. Subsequent slug additions of 2 to 30 fluid ounces of Formula 24-A per 1,000 gallons of water (10 to 120 parts per million of Formula 24-A) should be employed every 2 to 5 days or as needed. The frequency of addition depends upon the relative amount of bleed-off and the severity of the microbiological problem. Slug additions should be made in the sump of water cooling towers.

Formula 24-A may also be used to control microbiological deposits in swimming pools, decorative fountains, and other recirculation water systems not used for drinking.

INITIAL APPLICATION: To a cleaned pool add one gallon to 25,000 gallons of water or ratio thereof.

MAINTENANCE DOSAGE: Use one quart per 25,000 gallons of water every 5 to 7 days. When weather is hot or bathing load is heavy use this dosage every 5 days or as necessary.

BOOSTER DOSAGE: Immediately after every rain add one quart per 25,000 gallons of water.

IMPORTANT: Follow above directions even when pool is not in use.

POOL-SIDE SURFACES: After cleaning surfaces use one ounce to 2 gallons of water for cleaning or 1 ounce to 1 gallon of water for removing heavy deposits.

CAUTION: KEEP OUT OF REACH OF CHILDREN!

Harmful if swallowed. Avoid contact with eyes and skin. In case of contact, flush with plenty of water for at least 15 minutes. If eye irritation persists get medical attention. Avoid contamination of food. This product is toxic to fish. Do not add treated effluent to lakes, streams, or ponds. Do not contaminate water by cleaning of equipment or disposal of waste. Use only as directed on label. Do not reuse container. Destroy when empty.

55-gallons

30-gallons

20-gallons

Chemicals, Technology, Service, and Equipment for Industrial Water Conditioning



44811-7

- e. This product contains 0.50 lb. of active ingredient per gallon, not 26.4 lbs. as you declare. Please correct this claim or delete it from the label.
- f. Revise the environmental hazard statement to read as follows:

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge into lakes, streams, ponds or public waters unless in accordance with a NPDES permit. For guidance, contact your Regional Office of the Environmental Protection Agency.

- g. Revise the precautionary labeling to read as follows:

DANGER: Corrosive. Causes eye and skin damage. Do not get in eyes, on skin or on clothing. Harmful if swallowed. Wear goggles or safety glasses and rubber gloves when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Statements of Practical Treatment

If in Eyes: Flush with plenty of water. Get medical attention.

If on Skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

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.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

John H. Lee
Product Manager (31)
Disinfectants Branch
Registration Division (TS-767C)

Enclosures