

# CHECK-MARK™ 40224

TO CONTROL COLIFORM AND OTHER BACTERIA IN PUBLICLY-OWNED TREATMENT WORKS; CONTROLS BACTERIA, FUNGI, AND YEASTS IN PAPER MILLS; CONTROLS BACTERIA, FUNGI, AND ALGAE IN INDUSTRIAL RECIRCULATING WATER COOLING TOWERS; CONTROLS SLIME-FORMING BACTERIA AND FUNGI IN AIR-WASHER SYSTEMS.

## FOR INDUSTRIAL USE ONLY

### ACTIVE INGREDIENT

2,2-Dibromo-3-nitropropionamide ..... 20%

**INERT INGREDIENTS** ..... 80%

**TOTAL** ..... 100%

E.P.A. Registration No. 464-426-66114

E.P.A. Est. 44392-TN-01

## KEEP OUT OF REACH OF CHILDREN

## DANGER

### FIRST AID

<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 30 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Obtain prompt medical treatment, preferably from an ophthalmologist.</li> </ul>
<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li> </ul>
<b>IF INHALED</b>	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>

Have product container or label with you when calling a poison control center or doctor or going for treatment.

### HOT LINE NUMBER

**IN CASE OF AN EMERGENCY** endangering life or property involving this product, call CHEMTREC® at 1-800-424-9300.

**NOTE TO PHYSICIAN:** If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. The decision of whether to induce vomiting or not should be made by a physician. Chemical eye burns may require extended irrigation. Obtain prompt consultation, preferably from an ophthalmologist. If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. **NOTE:** Add CHECK-MARK 40224 SEPARATELY TO THE SYSTEM. DO NOT MIX IT WITH OTHER ADDITIVES, IN ORDER TO AVOID DECOMPOSITION OF CHECK-MARK 40224 DUE TO THE HIGH pH OF MANY ADDITIVE FORMULATIONS.

**PAPER MILLS:** For the control of bacterial, fungal, and yeast growths in pulp, paper and paperboard mills, add CHECK-MARK 40224 at the rate of 0.15-0.50 lb / ton of pulp or paper (dry basis). Addition may be continuous or intermittent, depending upon the type of system and the severity of contamination. It must be made with a metering pump at a location that will insure uniform distribution of CHECK-MARK 40224 in the mass of fiber and water, such as the beaters, jordan inlet or discharge, broke chests, furnish chests, save-alls, and white-water tanks.

**HEAVILY FOULED SYSTEMS** must be boiled out, then treated with 0.15-0.35 lb CHECK-MARK 40224 / ton of paper (dry basis), as necessary for control.

**MODERATELY FOULED SYSTEMS** must be treated continuously with 0.35-0.50 lb CHECK-MARK 40224 / ton of paper (dry basis) until the slime accumulation is controlled. Addition rates can then be reduced to 0.15-0.35 lb CHECK-MARK 40224 / ton of paper on a continuous or intermittent basis, as needed for control. Dislodged slime may cause breaks in the paper and a clean-up of the paper machine may be advisable.

**SLIGHTLY FOULED SYSTEMS** must be treated continuously with 0.15-0.35 lb CHECK-MARK 40224 / ton of paper (dry basis) until the slime is controlled, then added on an intermittent basis to maintain control.

**INDUSTRIAL RECIRCULATING WATER COOLING TOWERS:** Add CHECK-MARK 40224 to the basin (or any other point of uniform mixing). Additions should be made with a metering pump; it may be continuous or intermittent, depending on the severity of contamination when treatment is begun, and the retention time of the system. Optimum performance with this product is attained by continuous or intermittent treatment. If "shock" treatment is used, the blowdown must be discontinued for 24-48 hours.

**FOR CONTROL OF BACTERIA:** Add 0.00095-0.0095 gal CHECK-MARK 40224/1,000 gal of water in the system, depending on the severity of contamination.  
**INTERMITTENT OR SLUG METHOD:** INITIAL DOSE: When the system is noticeably fouled, add 0.0048-0.0095 gal CHECK-MARK 40224/1,000 gal of water in the system. Repeat until control is achieved.

**SUBSEQUENT DOSE:** When microbial control is evident add 0.0024-0.0095 gal CHECK-MARK 40224/1,000 gal of water in the system every 4 days or as needed to maintain control. **BADLY FOULED SYSTEMS** must be cleaned before treatment is begun.  
**CONTINUOUS FEED METHOD:** INITIAL DOSE: When the system is noticeably fouled, add 0.0048-0.0095 gal CHECK-MARK 40224/1,000 gal of water to the system.

**SUBSEQUENT DOSE:** Maintain this level by pumping a continuous feed of 0.00095-0.0048 gal CHECK-MARK 40224/1,000 gal of water in the system per day. **BADLY FOULED SYSTEMS** must be cleaned before treatment is begun.

**FOR CONTROL OF FUNGI AND ALGAE:** Add 0.029-0.095 gal CHECK-MARK 40224/1,000 gal of water in the system depending on the severity of contamination.

**INTERMITTENT OR SLUG METHOD:** INITIAL DOSE: When the system is noticeably fouled, add 0.048-0.095 gal CHECK-MARK 40224/1,000 gal of water in the system. Repeat until control is achieved.

**SUBSEQUENT DOSE:** When microbial control is evident add 0.029-0.095 gal CHECK-MARK 40224/1,000 gal of water in the system daily, or as needed to maintain control. **BADLY FOULED SYSTEMS** must be cleaned before treatment is begun.

**CONTINUOUS FEED METHOD:** INITIAL DOSE: When the system is noticeably fouled, add 0.048-0.095 gal CHECK-MARK 40224/1,000 gal of water to the system.  
**SUBSEQUENT DOSE:** Maintain this treatment level by pumping a continuous feed of 0.029-0.095 gal CHECK-MARK 40224/1,000 gal of water in the system per day. **BADLY FOULED SYSTEMS** must be cleaned before treatment is begun.

**AIR-WASHER SYSTEMS:** Add 0.0015-0.095 gal CHECK-MARK 40224/1,000 gal of water in the system, depending on the severity of contamination to control slime-forming bacteria and fungi in industrial air-washer systems.

**INTERMITTENT OR SLUG METHOD:** INITIAL DOSE: When the system is noticeably fouled, add 0.003-0.095 gal CHECK-MARK 40224/1,000 gal of water in the system. Repeat until control is achieved.

**SUBSEQUENT DOSE:** When microbial control is evident add 0.0015-0.047 gal CHECK-MARK 40224/1,000 gal of water in the system every 2 days or as needed to maintain control. **Badly fouled systems** must be cleaned before treatment is begun.

**CONTINUOUS FEED METHOD:** INITIAL DOSE: When the system is noticeably fouled, add 0.003-0.095 gal CHECK-MARK 40224/1,000 gal of water in the system.

**SUBSEQUENT DOSE:** Maintain this level by pumping a continuous feed of 0.0015-0.047 gal CHECK-MARK 40224/1,000 gal of water in the system per day. **Badly fouled systems** must be cleaned before treatment is begun.

**NOTE:** For use only in industrial air-washer systems that maintain effective mist eliminating components.

**PUBLICLY-OWNED TREATMENT WORKS: TO CONTROL COLIFORM AND OTHER BACTERIA:** Add CHECK-MARK 40224 at a concentration of 1.0 to 10.0 ppm by weight of water treated, depending on the severity of contamination in the system. Addition should be CONTINUOUS and must be made with a metering pump at a point in the system where mixing will be rapid and thorough. Add CHECK-MARK 40224 to the system in a location where contact time will be 30 minutes or greater before reaching the outfall.

**TO USE AS A CO-TREATMENT WITH CHLORINE:** Add 0.4-1.5 ppm CHECK-MARK 40224 by weight of water treated. Chlorination must result in a minimum detectable residual (i.e., greater than zero but less than the NPDES permit level). Addition must be CONTINUOUS and made at a point just after initial chlorine mixing. Rapid mixing is necessary for maximum effectiveness.

Packed for

# CHECK-MARK™

CHECK-MARK 40224 must be added at a location where a contact time of 10 minutes or longer will be provided before reaching the outfall.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**Storage:** To maintain product quality, store at temperatures below 35°C. Keep container tightly closed when not in use.

**Pesticide Disposal:** Pesticide wastes are acutely hazardous. 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:** Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. 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.

**Notice:** Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

### PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

### DANGER

**CORROSIVE:** Causes irreversible eye damage • May be Fatal if swallowed • Causes skin irritation • Harmful if inhaled or absorbed through skin • Do not get in eyes, on skin or on clothing • Avoid breathing spray or mist • When loading or handling wear protective eyewear (goggles or face shield). Wear long-sleeved shirt and long pants, socks, shoes and chemically resistant gloves • Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals • Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. • Remove and wash contaminated clothing separately before reuse.

### Personal Protective Equipment

Applicators and other handlers must wear:

- Coveralls, over long-sleeved shirt and long pants
- socks and chemical resistant footwear
- goggles or face shields
- Chemical-resistant gloves (such as barrier laminate, butyl nitrile/neoprene rubber, PVC or viton)

**Engineering Controls:** When handlers use closed metering systems the handler requirements may be reduced or modified to long-sleeve shirt, long pants, shoes and socks.

**User Safety Requirements:** Follow manufacturers' instructions for cleaning & maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Users must wash hands before eating, drinking, chewing gum, or using the toilet. Users must remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users must remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**Application Restrictions:** Do not apply this product directly in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

**ENVIRONMENTAL HAZARDS:** This product is toxic to fish and aquatic organisms. Apply this product only as specified on this label. Do not contaminate water by cleaning of equipment, or disposal of wastes. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. **See the Material Safety Data Sheet for more information.**

Not for Resale  
MADE IN THE U.S.A.  
C807CMBA • 1M205

**TO REORDER, Call TOLL-FREE:**  
**1-800-527-9919**  
**FAX: 1-972-438-0634**



## NET CONTENTS:



STATE OF HAWAII  
Department of Agriculture

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