

88714-5



11/12/2014

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

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OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

November 12, 2014

Robert Rosenwasser
Agent
Water Science Technologies LLC
5520 Parkview Circle
Bessemer, AL 35022

Subject: Label Notification per PRN 98-10 – Label Changes Consistent with the Primary Supplier's newest EPA Stamp Accepted Label.
Product Name: K-BROM G
EPA Registration Number: 88714-5
Application Date: October 8, 2014
Decision Number: October 9, 2014

Dear Mr. Rosenwasser

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, you may contact Lorena Rivas at 703-305-5027 or via email at rivas.lorena@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Julie Chao".

for

Julie Chao, Acting Product Manager 34
Regulatory Management Branch II
Antimicrobials Division (7510P)
Office of Pesticide Programs



K-BROMING

BROMO-CHLORO-DIMETHYLHYDANTOIN

A MICROBICIDAL BACTERICIDE, FUNGICIDE, ALGAEICIDE AND SLIMICIDE, FOR TREATING INDUSTRIAL RECIRCULATING COOLING WATER AND ONCE-THROUGH COOLING WATER SYSTEMS, AIR CONDITIONER CONDENSATE, AND PULP AND PAPER MILL WATER SYSTEMS FOR BACTERIAL SLIME (ONLY).

ACTIVE INGREDIENT:
Bromochloro-5,5-dimethylhydantoin 98%
OTHER INGREDIENTS:
TOTAL: 2%
100%

KEEP OUT OF REACH OF CHILDREN

DANGER
CORROSIVE AND STRONG OXIDIZER

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 center or doctor for treatment advice.

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 center or doctor for further treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center, or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless advised by a doctor. Do not give anything by mouth to an unconscious person.

Probable mucosal damage may occur if swallowed. Call a poison control center or doctor, or going for treatment.

NOTE TO PHYSICIAN:
See side panels for additional precautionary statements.

MANUFACTURED FOR:
WATER SCIENCE TECHNOLOGIES, LLC
5520 PARKWOOD CIRCLE
BESSEMER, AL 35022
Reg. No. 88714-5

Date Received: _____
Reviewed By: _____

EPA Est. No. (Choose on PDF) _____
NET CONTENTS: _____
Transportation Emergency (Spill) Tel: 800-255-3924 CHEMTEL

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER
CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS. EYE CONTACT MAY CAUSE LOSS OF VISION. MAY BE FATAL IF INHALED. IRRITATING TO NOSE AND THROAT. HARMFUL IF ABSORBED THROUGH SKIN OR SWALLOWED.

Do not breathe dust or spray mist. Do not get in eyes, on skin, or on clothing. Prolonged or repeated skin contact may cause allergic reactions in some individuals. Wear goggles with side-shield, or safety glasses, protective clothing and chemical-resistant gloves. Wear a dust mask or pesticide respirator approved by the Mine Safety and Health Administration and National Institute for Occupational Safety and Health. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

GENERAL PRECAUTIONS AND RESTRICTIONS: Do not use ammonium phosphate extinguisher near water and this product. Hazardous reactions may occur. Do not ship with foods, feeds, drugs, or clothing. Keep container tightly closed when not in use.

ENVIRONMENTAL HAZARDS: This product is toxic to fish and aquatic organisms. Do not contaminate 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 into water bodies or previously notified to the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS: STRONG OXIDIZING AGENT. Do not mix with other chemicals. Mix with water only. Reaction with combustible organic materials, bases, moisture or with oxidizers may generate heat, hazardous gases, and, possibly, fire or explosion. Do not add to dispensers or other equipment that is not dry and clean of any chemical remnants. Does not burn, but will decompose from about 320°F (160°C), releasing toxic gases. Avoid comminution and dusting.

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read the entire label and use strictly in accordance with precautionary statements and directions. Used effectively at treatments to achieve exposures to one part per million (ppm) of active residual bromine to control algal, bacterial and fungal slimes in industrial cooling towers; influent water scrubbing systems; brewery and canning pasteurizers and industrial air-washing systems equipped with a mist eliminator. Addition of this product must be made via a metering pump or chemical feed dispenser with control release mechanism that accompanies this product's container.

INDUSTRIAL RECIRCULATING COOLING WATER SYSTEMS
TREATMENT RATES: Initial treatment: When noticeably fouled, add 2-6 lbs. of this product per 10,000 gallons of water contained in the system. Repeat initial treatment until one ppm of active residual bromine is established for at least 4 hours. Subsequent treatment: When microbial control is evident, add 1-3 lbs. of this product per 10,000 gallons of water contained in the system. Repeat as needed to maintain one ppm of active residual bromine for at least 4 hours.

ONCE-THROUGH INDUSTRIAL COOLING WATER SYSTEMS
TREATMENT RATES: Initial treatment: When noticeably fouled, add 2-6 lbs. of this product per 10,000 gallons of water contained in the system. Repeat initial treatment until one ppm of active residual bromine is established for at least 4 hours. Subsequent treatment: When microbial control is evident, add 1-3 lbs. of this product per 10,000 gallons of water contained in the system. Repeat as needed to maintain one ppm of active residual bromine for at least 4 hours.

AIR CONDITIONER CONDENSATE
Place 0.85 ounces (24 grams) in condensate line dispenser. Check once every six months or as required. The presence of granules will vary depending upon atmospheric conditions and indoor air temperature requirements.

PULP AND PAPER MILL WATER SYSTEMS

This product is intended for use as a silicicide for the process water used in the manufacture of paper and paperboard products that do not contact food. Treat water at critical areas in the system process where mixing of the product with influent will be uniform. The frequency and duration of the treatment will depend upon the severity of the problem. Badly fouled process systems must be cleaned before initial treatment.

TREATMENT BY SYSTEM VOLUME: When a system is noticeably fouled, add 0.098-0.98 pounds (or 12-120 ppm) of this product to 1,000 gallons of water in the system. When biological control is evident, add 0.098-0.74 lbs (or 12-90 ppm) of this product to 1,000 gallons of water in the system.

TREATMENT BY RESIDUAL METHOD: Add sufficient product to maintain a measured residual up to 5 ppm as bromine. Once biological control is evident, the use of this product normally can be reduced to something less than 1 ppm as bromine.

An alternative method of calculating the appropriate level of this product is to estimate the paper mill's daily production, then add, over a 24-hour period, up to 588 grams (1.27 pounds) of this product per dry ton of paper produced over a 24-hour period. Test for bromine to verify the level of 5 ppm is not being exceeded.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

-FOR WATER SOLUBLE BAGS: Do not allow water soluble bags to become wet during storage. Do not handle water soluble bags with wet hands or wet gloves. Do not remove from container except for immediate use. Do not remove product from water soluble bag.

-FOR EVERYTHING EXCEPT WATER SOLUBLE BAGS: Store in a dark, cool, below 86°F (30°C), dry, well-ventilated area, in well-closed original containers, away from energy sources, combustible organic materials, oxidizers, strong bases and moisture.

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 HANDLING

-FOR SUPERSACK: Completely empty bag into application equipment. Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available.

-FOR FIBER DRUM WITH LINER: Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Non refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Replace and tighten closures. Tip container on its side and roll it back and forth ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

-FOR PAIL: Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available.

-FOR PLASTIC BAG: Non refillable container. Do not reuse or refill this container. Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. If not emptied in this manner, the bag may be considered an acute hazardous waste and must be disposed of in accordance with local state and federal regulations. When completely empty, offer for recycling if available, or dispose of bag in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

-FOR BOTTLE/JAR/CANISTER: Non refillable container. Do not reuse or refill this container. Completely empty bottle, jar, or canister into application equipment. If not emptied in this manner, the bottle, jar, or canister may be considered an acute hazardous waste and must be disposed of in accordance with local state and federal regulations. When completely empty, offer for recycling if available, or dispose of bottle, jar, or canister in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

-FOR WATER SOLUBLE BAGS: Non-refillable container. Do not reuse or refill this container. When all water soluble bags are used, the outer container should be clean and may be disposed of in a sanitary landfill or by incineration. If outer container contacts formulated product in any way, it must be triple rinsed with clean water. Triple rinse as follows: empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and close tightly. Shake for

10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration.

SPILLS: When handling or dealing with spills, use impact-resistant goggles with side-shields, or face shield; body-covering clothes, including impervious chemical-resistant gloves and boots; use a dust respirator if dusting occurs. Sweep up dry spills and dispose of as described for pesticide disposal. If drum contents are contaminated or decomposing, do not reseal container; isolate unsealed drum in the open or in a well-ventilated area; flood with large volumes of water if necessary.

IN CASE OF FIRE: Do not use ammonium phosphate extinguisher near water and this product. Hazardous reactions may occur.

WARRANTY: Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with label directions under normal conditions of use, but to the extent consistent with applicable law neither this warranty nor any other warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Seller, and Buyer assumes the risk of any such use.

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