

2018-5104  
2019-04-25

## **K- BROM G<sup>®</sup> WSB**

GUARANTEE:

Available bromine present as 1-bromo-3-chloro-5,5-dimethylhydantoin and related hydantoins .. 65%

Available chlorine present as 1-bromo-3-chloro-5,5-dimethylhydantoin and related hydantoins .. 28.95%

INDUSTRIAL

GRANULES

REGISTRATION NO. 31676 PEST CONTROL PRODUCTS ACT

**NOT FOR INDIVIDUAL SALE**

**KEEP OUT OF REACH OF CHILDREN**

### **WARNING**



POISON



CORROSIVE

DANGER - CORROSIVE TO EYES AND SKIN

POTENTIAL SKIN SENSITIZER

CORROSIVE AND STRONG OXIDIZER

**READ THE LABEL BEFORE USING**

NET CONTENTS: 454g (1 LB)

Water Science Technologies, LLC  
1701 Vanderbilt Road  
Birmingham, AL  
35234, USA  
Phone: (866) 284-9244

**K-BROM G® WSB**

A MICROBIOCIDAL BACTERICIDE, FUNGICIDE, ALGICIDE AND SLIMICIDE FOR TREATING  
RECIRCULATING COOLING WATER IN INDUSTRIAL COOLING SYSTEMS.  
INDUSTRIAL  
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**SALE OF INDIVIDUAL WATER SOLUBLE BAGS IS PROHIBITED.**

### **DIRECTIONS FOR USE:**

K-BROM G WSB is a safe and effective slow dissolving bactericide, algicide and disinfectant that, unlike other commonly used chemicals, performs well over a broad pH range.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes. DO NOT discharge effluent containing this product into sewer systems, lakes, streams, ponds, estuaries, oceans or other waters.

### **INDUSTRIAL COOLING WATER SYSTEMS**

Used effectively at dosages recommended to achieve exposures to one part per million (ppm) of 'active' residual bromine to control algal, bacterial and fungal slimes in industrial recirculating cooling towers; influent water systems, e.g. flow-through filters, and lagoons etc; heat exchange water systems; industrial water scrubbing systems; and industrial air-washing systems equipped with a mist eliminator.

### **DOSAGE RATES:**

**INITIAL DOSE:** When the system is noticeably fouled, add a 454g (one pound) water soluble bag to the system. Each 454g (one pound) water soluble bag placed in a chemical feeder device will treat 6,300-18,900 liters of recirculating cooling water at a dose of 24-72 grams of K-BROM G WSB /1000 L of water in the system. Repeat initial dosage until one ppm of active residual bromine is established for at least 4 hours.

**SUBSEQUENT DOSE:** When microbial control is evident, add 12-36 g/1000 litres of water contained in the system. Each 454g (one pound) water soluble bag placed in a chemical feeder device will treat 12,600-37,800 liters of recirculating cooling water at a dose of 12-36 grams of K-BROM G WSB /1000 L of water in the system. Repeat as needed to maintain one ppm of active residual bromine for at least 4 hours.

### **PRECAUTIONS**

#### **KEEP OUT OF THE REACH OF CHILDREN**

HAZARDOUS HUMANS AND DOMESTIC ANIMALS

CORROSIVE TO EYES AND SKIN. DO NOT GET IN EYES OR ON SKIN. STRONG OXIDIZER

EYE CONTACT MAY CAUSE LOSS OF VISION

IRRITATING TO NOSE AND THROAT

MAY BE FATAL IF SWALLOWED

MAY BE HARMFUL IF INHALED

POTENTIAL SKIN SENSITIZER

Do not breathe dust. Do not get in eyes, on skin, or on clothing. Contact with this product may induce delayed hypersensitivity. If reaction occurs, avoid further contact with it.

Wear long pants, a long-sleeved shirt, chemical-resistant gloves and goggles or a face-shield while cleaning equipment and handling product.

**DO NOT SMOKE, DRINK OR EAT WHEN HANDLING**

**USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING**

**DO NOT SHIP WITH FOOD, FEED, DRUGS OR CLOTHING.**

## **ENVIRONMENTAL HAZARDS**

This product is toxic to fish and aquatic invertebrates. Apply this product only as specified on this label.

## **CHEMICAL AND PHYSICAL HAZARDS**

Strong oxidizer, 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 160°C, releasing toxic gases. Avoid comminution and dusting.

## **SPECIAL PRECAUTIONS, PLEASE READ BEFORE OPENING CONTAINER**

**MISUSE MAY RESULT IN SERIOUS PERSONAL INJURY REQUIRING HOSPITALIZATION, RELATED COMPLICATIONS MAY LEAD TO DEATH**

## **PREVENTION OF PHYSICAL INJURY**

1. This product emits a powerful bromine gas. Do not open container indoors. Hold away from face when opening to avoid breathing fumes.
2. Mixing with other chemicals may cause a violent and instantaneous chemical reaction. Do not add water to this product. Do not add this product to water in a pail.
3. Follow label instructions exactly. Do not take advice from others. Do not experiment.

## **PREVENTION OF PROPERTY DAMAGE**

Contact between this product in its undissolved state and vinyl liners, painted surfaces or other properties will result in permanent bleaching of the colour.

## **STORAGE AND DISPOSAL**

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

### **STORAGE**

Store in a dark, cool (below 30°C), dry, well-ventilated area, in well-closed original containers, away from energy sources, combustible organic materials, oxidizers, strong bases and moisture. Keep container tightly closed when not in use. Do not remove water soluble bag from container except for immediate use. When ready to use remove water soluble bag from outer plastic container. DO NOT remove K-BROM G from water soluble bag.

### **DISPOSAL**

1. Triple- or pressure-rinse the empty container. Add the rinsings to the treatment site.
2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill and for clean-up of spills.

**IN CASE OF FIRE**

Do not use ammonium phosphate extinguisher near water and K-BROM G WSB. Hazardous reactions may occur.

**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 centre or doctor for treatment advice.

**If on skin and clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre 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 centre or doctor for further treatment advice.

**If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**TOXICOLOGICAL INFORMATION:**

Dilution of an ingested corrosive is a safer first aid treatment than emesis. This product is corrosive to skin and eyes and may produce a sensitization response or allergic reaction in some individuals.

**NOTICE TO USER**

This pest control product is to be used only in accordance with the directions on the label.

It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.