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# FORMULA 315

INDUSTRIAL MICROBICIDE FOR USE IN RECIRCULATING WATER COOLING TOWERS AND AIR WASHER SYSTEMS, RECIRCULATING CLOSED LOOP WATER COOLING SYSTEMS, BREWERY PASTEURIZER/CAN WARMER SYSTEMS AND IN PAPER MILLS.

### ACTIVE INGREDIENTS:

5-CHLORO-2-METHYL-4-ISOTHIAZO-LIN-3-ONE .....	1.11%
2-METHYL-4-ISOTHIAZOLIN-3-ONE .....	0.39%
INERTS .....	98.5%
<b>TOTAL .....</b>	<b>100.0%</b>

GARRATT - CALLAHAN FORMULA 315 WEIGHS 8.4 POUNDS PER GALLON

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

### FIRST AID

IF IN EYES	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15 - 20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
IF ON SKIN OR CLOTHING	<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>
IF INHALED	<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 by mouth-to-mouth.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
IF SWALLOWED	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>Have person sip a glass of water if able to swallow.</li> </ul>

### HOT LINE NUMBER

You may contact the Poison Center at 1-800-222-1222 for emergency medical treatment information.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also call 1-303-623-5716 day or night for emergency medical treatment information.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsions may be necessary.

See Side Panel For Additional Precautionary Statements

### DIRECTIONS FOR USE

#### GENERAL CLASSIFICATION

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

For the control of bacteria, algae and fungi, add Garratt - Callahan Formula 315 to: **INDUSTRIAL RECIRCULATING WATER COOLING TOWERS, INDUSTRIAL RECIRCULATING CLOSED LOOP WATER SYSTEMS, BREWERY PASTEURIZER AND CAN WARMER SYSTEMS.** Add Garratt - Callahan Formula 315 to the lower basin, distribution box or some other point to ensure uniform mixing. **INITIAL DOSE:** When the system is noticeably fouled, apply 148 to 883 ppm Garratt - Callahan Formula 315 (1.26 to 7.46 pounds or 19 to 113 fluid ounces of Garratt - Callahan Formula 315) per 1000 gallons of water in the system. Repeat until control is achieved. **SUBSEQUENT DOSE:** When microbial control is evident, add 35 to 219 ppm Garratt - Callahan Formula 315 (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces of Garratt - Callahan Formula 315) per 1000 gallons of water in the system weekly or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

#### AIR WASHER SYSTEMS

Add to the air washer sump or chill water sump, to insure uniform mixing, 35 to 883 ppm Garratt - Callahan Formula 315 (0.2 to 1.86 pounds or 19 to 113 fluid ounces of Garratt - Callahan Formula 315) per 1000 gallons of water in the system depending upon the severity of contamination to control bacteria, fungi, and algae which cause fouling in industrial air washer systems.

**INTERMITTENT OR SLUG METHOD INITIAL DOSE:** When the system is noticeably fouled, apply 148 to 883 ppm Garratt - Callahan Formula 315 (1.26 to 7.46 pounds or 19 to 113 fluid ounces of Garratt - Callahan Formula 315) per 1000 gallons of water in the system. Repeat until control is achieved. **SUBSEQUENT DOSE:** When microbial control is evident, add 35 to 219 ppm Garratt - Callahan Formula 315 (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces of Garratt - Callahan Formula 315) per 1000 gallons of water weekly or as needed to maintain control.

**ACCEPTED**

EPA REG. NO. 8540-23

EPA EST. NO.

8540-CA-1

8540-IL-1

8540-TX-1

8540-NJ-1

8540-GA-1

FEB 14 2006

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 8540-23

REV. 05/2005

MADE IN USA

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## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

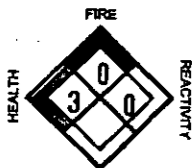
### DANGER

**CORROSIVE.** Causes irreversible eye damage and skin burns. Harmful if swallowed. Harmful if inhaled.

Do not get in eyes, on skin, or on clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Remove contaminated clothing and wash clothing before reuse. Mixers, loaders and others exposed to this product must wear: long-sleeved shirt and long pants; chemical resistant gloves such as nitrile or butyl rubber; shoes plus socks; goggles and face shield; and chemical resistant apron. Discard clothing or other absorbent materials that have been drached or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exists, use detergent and hot water. Keep and wash PPE separately from other laundry. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic plants, fish and aquatic invertebrates. 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. Do not contaminate water by cleaning of equipment or disposal of waste. Apply this pesticide only as specified on the label.



PRODUCT NO. 0918680

NET WEIGHT: 40

LBS. (4.7 GAL.)

8540-23

02/14/2006

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## CONTINUOUS FEED METHOD

**INITIAL DOSE:** When the system is just noticeably fouled, apply 148 to 883 ppm Garratt - Callahan Formula 315 (1.26 to 7.45 pounds or 19 to 113 fluid ounces to Garratt - Callahan Formula 315) per 1000 gallons of water in the system.

**SUBSEQUENT DOSE:** Maintain this treatment level by adding a continuous feed of 35 to 219 ppm Garratt - Callahan Formula 315 (0.3 to 1.86 pounds or 4.5 to 28 fluid ounces of Garratt - Callahan Formula 315) per 1000 gallons of makeup water.

Badly fouled systems must be cleaned before initial treatment.

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

**IN PAPERMILL WATERS DOSAGE:** Apply 0.44 to 1.5 pounds of Garratt - Callahan Formula 315 per ton (dry basis) of pulp or paper produced as a slug dose. If necessary, repeat daily. Badly fouled systems should be cleaned before the initial treatment. **POINT OF ADDITION:** Add Garratt - Callahan Formula 315 at a point in the system that assures uniform mixing for example, at the beater, the hydropulper, or the fan or broke storage pump.

**CORROSIVE LIQUID, ACIDIC,  
ORGANIC, N.O.S., 8, UN3265  
PGII, (5-CHLORO-2-METHYL-4-  
ISOTHIAZOLIN-3-ONE)**



## FORMULA 315

### CONDITIONS OF SALE AND WARRANTY

Garratt - Callahan warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. GARRATT - CALLAHAN MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Handling, storage, and use of the product by Buyer or User are beyond the control of Garratt - Callahan. Risk such as ineffectiveness or other unintended consequences resulting from, but not limited to, failure to follow label directions will be assumed by Buyer or User. IN NO CASE WILL GARRATT - CALLAHAN BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.

ACCEPTED

FEB 14 2006

Under the Federal Insecticide, Fungicide, and  
Rodenticide Act as amended, for the  
pesticide, registered under  
EPA Reg. No. 8540-23

### STORAGE AND HANDLING PROHIBITIONS

This product is corrosive to mild steel. Do not store or transport in unlined metal containers. Do not contaminate water, food or feed by storage, disposal.

### PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide 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

#### METAL CONTAINERS:

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or other procedures approved by state and local authorities.

#### PLASTIC CONTAINERS:

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

GENERAL CONSULT FEDERAL, STATE AND LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES.

**MANUFACTURED BY: GARRATT - CALLAHAN COMPANY**

MADE IN USA

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