



**KEEP OUT OF REACH OF CHILDREN  
DANGER**

**STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED** Do not induce vomiting. 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 a physician immediately.

**IF INHALED** Remove immediately to fresh air. If not breathing apply artificial respiration. If breathing is difficult give oxygen. Call a physician.

**IF ON SKIN** Wash thoroughly with soap and water. Remove and wash contaminated clothing before reuse.

**IF IN EYES** Flush with plenty of water for at least 15 minutes. Call a physician.

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

**PRECAUTIONARY STATEMENTS  
Hazards to Humans & Domestic Animals**

**DANGER**

Corrosive

Causes eye damage and skin burns

May cause allergic skin reaction

May be harmful if inhaled

May be fatal if swallowed or absorbed through the skin

Do not get in eyes, on skin, or on clothing. Wear goggles or face shield

and rubber gloves when handling. Avoid breathing vapor or mist.

Avoid contamination of food. Do not eat, drink, or smoke after handling.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and wildlife. Do not discharge into lakes, streams, ponds, or public waters unless in accordance with an NPDES permit. For guidance contact your Regional Office of the EPA. Do not contaminate water by cleaning of equipment or disposal. **APPROVED**  
Apply this product only as directed on the label. **APPROVED**

**GARRATT-CALLAHAN  
FORMULA 315**

**INDUSTRIAL MICROBICIDE FOR USE  
IN RECIRCULATING WATER COOLING  
TOWERS AND AIR WASHER SYSTEMS**

EPA Reg. No.

**ACTIVE INGREDIENTS:**

5-Chloro-2-methyl-4-isothiazolin-3-one ..... 1.15%

2-Methyl-4-isothiazolin-3-one ..... 0.35%

**INERT INGREDIENTS:** ..... 98.50%

**100.00%**



**OFFICES IN PRINCIPAL  
CITIES AND STRATEGIC  
INDUSTRIAL AREAS**

**CORPORATE OFFICES  
111 ROLLINS ROAD  
MILLBRAE  
CALIFORNIA 94030**

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

**SEE LEFT PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS**

NOV 08 1971

U.S. DEPARTMENT OF AGRICULTURE  
EPA REGISTRATION DIVISION  
REGISTERED AT: 111 ROLLINS ROAD  
5940-23

## DIRECTIONS FOR USE GENERAL CLASSIFICATION

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

### INDUSTRIAL RECIRCULATING WATER COOLING TOWERS

For the control of bacteria, algae and fungi add Garratt-Callahan Formula 315 to the tower basin, distribution box or some other point to insure uniform mixing

**INITIAL DOSE.** When the system is noticeably fouled apply 148 to 883 ppm Garratt-Callahan Formula 315 (1.26 to 7.45 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 (0.3 to 1.86 pounds or 4.5 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 and corrosion in 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 7.45 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.

### 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 of 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 (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.

Garratt-Callahan Formula 315 weighs 8.4 lbs per gallon

### STORAGE AND DISPOSAL

**STORAGE.** Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. If plastic, do not reuse empty container.

**DISPOSAL.** Pesticide or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies. Triple rinse (or equivalent) all containers and, for metal containers, offer for recycling or reconditioning (for plastic containers dispose in an incinerator), or dispose in landfill approved for pesticide containers or bury in a safe place. Consult federal, state or local disposal authorities for appropriate alternative procedures.

<b>U.S. ENVIRONMENTAL PROTECTION AGENCY</b> <b>OFFICE OF PESTICIDES PROGRAMS</b> <b>REGISTRATION DIVISION (411-567)</b> <small>WASHINGTON, D.C. 20460</small>	EPA REGISTRATION NO.	DATE OF ISSUANCE
	TERM OF ISSUANCE	08 NOV 1983
<b>NOTICE OF PESTICIDE:</b> <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION <i>(Under the Federal Insecticide, Fungicide,  and Rodenticide Act, as amended)</i>	NAME OF PESTICIDE PRODUCT	
	NAME AND ADDRESS OF REGISTRANT (include ZIP code)	
<p><b>NOTE:</b> Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.</p> <p>On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p>		
<input checked="" type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPLICANT (PRINT)		DATE

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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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.

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

Enclosures

SYMBOL ►  
SURNAME ►  
DATE ►  
EPA Form 1320-1 (4-81)

CONCURRENCES

OFFICIAL FILE COPY