

8540-23

9/30/2014

1/3



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

9/30/2014

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Garratt-Callahan Co
50 Ingold Road
Burlingame, CA 94010-2206
Attn: David Grede

Subject: Amendment to add uses and update label
EPA Reg. No. 8540-23
Amendment Letter Dated July 21, 2014

The changes referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) are acceptable.

- Addition of Uses
 - Ultra Filtration Units and Non-Medical/Non-Potable Reverse Osmosis
- Label Updates:
 - Directions for Use, User Safety language, Storage and Disposal, and Environmental Hazard
 - Per October 1998 Methylisothiazolinone RED Label Table

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. The next label printing of this product must use this labeling unless subsequent changes have been approved. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you have any questions concerning this letter, please contact Seiichi Murasaki at murasaki.seiichi@epa.gov or (703) 347-0163.

Sincerely,

A handwritten signature in black ink that reads "Eric Miederhoff".

Eric Miederhoff
Acting Product Manager 33
Regulatory Management Branch I
Antimicrobials Division (7510P)
Office of Pesticide Programs
Date: September 30, 2014



Water Treatment Expertise Since 1904

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-ISOTHIAZOLIN-3-ONE	1.11%
2-METHYL-4-ISOTHIAZOLIN-3-ONE	0.39%
INERTS	98.50%
TOTAL	100.00%

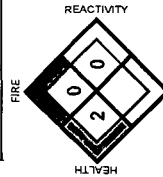
GARRATT-CALLAHAN FORMULA 315 WEIGHS 8.4 POUNDS PER GALLON

KEEP OUT OF THE REACH OF CHILDREN

DANGER

FIRST AID	
IF IN EYES	<ul style="list-style-type: none"> 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 ON SKIN OR CLOTHING	<ul style="list-style-type: none"> 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 INHALED	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth. Call a poison control center or doctor for further treatment advice.
IF SWALLOWED	<ul style="list-style-type: none"> Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by the poison control center or doctor. Have person sip a glass of water if able to swallow.
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



PRODUCT NO. P315new
NET WEIGHT LBS.

Main Office: 50 Ingold Road, Burlingame, CA 94010 (650) 697-5811 FAX (650) 692-6098
Plants: Addison, IL Atlanta, GA Edison, NJ Dallas, TX Burlingame, CA
www.g-c.com

DIRECTIONS FOR USE

GENERAL CLASSIFICATION

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons.

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 tower 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. Badly fouled systems must be cleaned before treatment is begun. 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. Badly fouled system should be cleaned before treatment is begun.

EPA REG. NO.	8540-23
EPA EST. NO.	8540-CA-1 []
	8540-TX-1 []
	8540-GA-1 []
	8540-IL-1 []
	8540-NJ-1 []

REV. 8/25/2014
MADE IN USA
Page 1 of 2

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

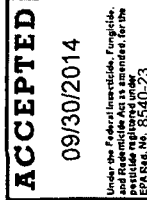
DANGER

CORROSIVE. Causes irreversible eye damage and skin burns. May cause allergic skin reaction. Harmful if swallowed or absorbed through the skin. Harmful if inhaled.

Do not get in eyes, on skin, or on clothing. This product may cause skin sensitization reactions in some people. 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 drenched 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 exist, 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.





Main Office: 50 Ingold Road, Burlingame, CA 94010 (650) 697-5811 FAX (650) 692-6098
 Plants: Addison, IL Atlanta, GA Edison, NJ Dallas, TX Burlingame, CA
 www.g-c.com

FORMULA 315

DIRECTIONS FOR USE - cont

CONTINUOUS FEED METHOD

INITIAL DOSE: When the system is just noticeably fouled, apply 148 to 883 ppm Garratt-Callahan Formula 315 (1.26 to 7.46 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 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.

ULTRA FILTRATION UNITS AND NON-MEDICAL/NON-POTABLE REVERSE OSMOSIS (Not for Use in California)

Garratt-Callahan Formula 315 is recommended for the control of microbial biofilms, bacteria and fungi in ultra filtration units and non-medical/non-potable reverse osmosis systems. Use of Garratt-Callahan Formula 315 in potable water or dialysis is prohibited. Add 10 - 333 ppm of Garratt-Callahan Formula 315 (0.15 - 6 ppm active ingredient) into industrial ultra filtration or reverse osmosis systems by either continuous feed or periodic injection. Compatibility of Garratt-Callahan Formula 315 with reverse osmosis membranes should be confirmed with membrane manufacturers. For the control of bacteria and fungi in carbon beds, add 10 - 333 ppm of Garratt-Callahan Formula 315 (0.15 - 6 ppm active ingredient) by either continuous or batch feed. For periodic membrane cleaning, add 0.4 - 1.0 lb of Garratt-Callahan Formula 315 to every 720 gallon of cleaning solution (6 - 16ppm active ingredient). Badly fouled systems should be cleaned before treatment is begun.



STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Avoid freezing, excessive heat or exposure to light, especially direct sunlight. Store in a cool, well ventilated location. If heating is necessary to prevent freezing, care must be taken to prevent overheating. Average product temperature should be maintained below 110°F. Temperature monitoring is recommended. Drums should be opened in well ventilated areas. Leaking or damaged drums should be placed in overpack drums for management. Spills should be absorbed and properly disposed.

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:

NONREFILLABLE CONTAINER (Less than or equal to 5 gallon container): Do not reuse or refill this container.

RESIDUE REMOVAL: Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. 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. Offer for recycling if available.

NONREFILLABLE CONTAINER (Greater than 5 gallon container): Do not reuse or refill this container.

RESIDUE REMOVAL: Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. 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 the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling if available.

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 and as defined in the Directions for Use on this label. 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.

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

MANUFACTURED BY: GARRATT-CALLAHAN COMPANY