HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed. Irritating to nose and throat. Do not get in eyes, on skin, or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Wear protective clothing and rubber gloves when handling this product. Avoid breathing dust and fumes. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse.

PHYSICAL OR CHEMICAL HAZARDS

STRONG OXIDIZING AGENT: Do not mix with other chemicals. Mix only with water. Use clean dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion. Contamination with moisture, organic matter or other chemicals will start a chemical reaction and generate heat, hazardous gas, possible fire and explosion. In case of contamination or decomposition, do not reseed container. If possible, isolate container in open air or well ventilated area. Flood area with large volumes of water.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. 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 into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

FIRE

Do not use water or foam; use dry chemical powder or carbon dioxide extinguishing agent. Fountains/Reflecting Ponds.

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 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 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.
• If person is breathing, call a poison control center or doctor for further 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 told to do so by the poison control center or doctor.
• Do not give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

DIRECTIONS FOR USE

Keep out of the reach of children.

DOSAGE RATES

Initial Dose: When the system is noticeably fouled, add 0.2 to 0.6 pounds/1000 gallons (0.24 to 0.72 kilogram/10,000 liters) of water contained in the system. Repeat initial dosage until 1 to 3 parts per million (milligrams per liter) bromine residual is established for at least 4 hours. Subsequent Dose: When microbial control is evident, add 0.1 to 0.3 pounds/1000 gallons (0.12 to 0.36 kilogram/10,000 liters) of water contained in the system. Repeat as needed to maintain 1 to 3 parts per million (milligrams per liter) bromine residual for at least 4 hours.

FORMULA 314-T

For use as a Disinfectant, Sanitizer, Bactericide, Fungicide, Algicide, and for Control of Microbial Slimes in Industrial Processes and Water Systems such as: Recirculating Cooling Water Systems, Once-Through Cooling Water Systems, Wastewater Treatment Systems, Brewery Pasteurizers, Air Conditioners, Dehumidifiers, Evaporative Coolers, Paper and Paperboard Process Water, and Water Fountains/Reflecting Ponds.

ACTIVE INGREDIENT:

1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANTOIN ........................................... 96.0%
OTHER INGREDIENTS .......................................................... 4.0%
TOTAL ........................................................................... 100.0%

See Side Panel For Additional Precautionary Statements
WASTEWATER TREATMENT SYSTEMS:
When used as directed, FORMULA 314-T effectively controls algal, bacterial and fungal slimes and offers rapid disinfection of primary, secondary and tertiary wastewater treatment systems.

DOSEAGE RATES
Add 0.1 to 0.6 pounds/1000 gallons (0.12 to 0.72 kilograms/10,000 liters) of water treated to maintain a 0.5 to 5.0 parts per million (milligrams per liter) bromine residual at the injection point in the disinfection contact chamber. Adjust FORMULA 314-T’s dosage to achieve disinfection and minimize the halogen concentration at the exit of the contact chamber. Do not use treated wastewater to irrigate crops.

WATER FOUNTAINS/REFLECTING PONDS:
FORMULA 314-T, when used as directed, is effective as a water feature sanitizer and disinfectant.

DOSEAGE RATES:
Ensure all equipment is working properly. Backwash the filter system (if present) following manufacturer’s directions. Adjust pH to between 7.2 - 7.6. When using other products as outlined in directions for FORMULA 314-T, always follow directions on those products.

A bromine or chlorine residual of 1 - 2 ppm must first be established in the water. If the residual is established with FORMULA 314-T in a brominator, use the brominator at the highest feed rate following the manufacturer’s recommendations. When the bromine residual reaches 1 - 2 ppm adjust the feed accordingly. To maintain bromine residual, adjust the brominator feed rate to assure a constant treatment level of 1 - 3 ppm. Regular use of a test kit is necessary to maintain a bromine residual in the water.

PULP AND PAPER MILLS:
When used as directed this product effectively controls algal, bacterial, and fungal slime in pulp and paper mill fresh and sea water influent water systems, cooling water systems, wastewater treatment systems, service water systems, white water systems, and other process water.

This product is intended for use as a slimicide for the process water used in the manufacture of paper and paperboard products. Do not exceed 1,000 grams (2.2 pounds) of this product per dry metric ton of fiber when this product is used in the manufacture of paper and paperboard products that 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.

PRODUCT APPLICATION
TREATMENT BY SYSTEM VOLUME
When a system is noticeably fouled: add 0.1 to 1.0 pounds of this product to 1000 gallons or 12 to 120 parts per million (milligrams per liter) of water in the system. When biological control is evident: add 0.1 to 0.75 pounds of this product to 1000 gallons or 12 to 90 parts per million (milligrams per liter) of water in the system.

TREATMENT BY RESIDUAL METHOD:
Add sufficient amount of this product to maintain a measured residual up to 5 parts per million (milligrams per liter) as bromine. Once biological control is evident, the use of this product normally can be reduced to something less than 1 part per million as bromine.

To calculate the appropriate level of this product, estimate the mill’s daily production, then add, over a 24 hour period, up to 1,000 grams (2.2 pounds) of this product per dry metric ton of dry fiber. Test for bromine to verify the level of 5 parts per million (milligrams per liter) is not being exceeded.

Treatment levels can be measured with test kits for either bromine or chlorine. Tests should be made immediately after drawing water samples from the system. Use test kits according to directions.

1. When a bromine test kit is used, results can be read directly as parts per million (milligrams per liter) bromine.
2. When a chlorine test kit is used, results can be expressed in terms of bromine by multiplying chlorine values by the conversion factor 2.25.

SOLD BY: GARRATT-CALLAHAN COMPANY

Do not contaminate food or feed by storage and disposal.

PESTICIDE STORAGE: Keep product dry and store in a cool dry well-ventilated area away from heat or open flame. Store in original container.

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 DISPOSAL:
SUPER SACK: Completely empty bag into application equipment. Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available.
FIBER DRUM: 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: Empty the remaining contents into application equipment or a mix tank. Fill the container ½ 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.
PAIL: 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: Empty the remaining contents into application equipment or a mix tank. Fill the container ½ 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.
EMERGENCY HANDLING: In case of contamination or decomposition do not reuse container. If possible, isolate container in open and well-ventilated area. Flood with large volumes of water. Dispose of contaminated material in an approved landfill area.
NOTE: Buyer assumes all responsibility for safety and use not in accordance with directions.

STORAGE AND DISPOSAL