FORMULA 3340 is an effective agent for controlling algae, bacteria and slime in condensing and cooling equipment in which recirculating water is used as the cooling media and in lined reservoirs or ponds which serve as the source of boiler feedwater or cooling water. FORMULA 3340 can also be used to control bacterial slime and algae in decorative fountains, air washers, pasteurizers, papermill influent water systems, and oilfield water recovery systems.

**ACTIVE INGREDIENTS:**
- SODIUM HYPOCHLORITE ......................... 7.45%
- SODIUM BROMIDE ........................................... 10.28%

**INERTS INGREDIENTS:**
- SODIUM BROMIDE ........................................... 82.27%

**TOTAL** .................................................. 100.0%

**KEEP OUT OF THE REACH OF CHILDREN**

**DANGER**

DANGER. CORROSIVE. Causes irreversible eye damage. Causes skin burns. Do not get in eyes, on skin or on clothing. Wear protective eyewear such as face shield or safety glasses and rubber gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and aquatic organisms. Do not dischage effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless in accordance with the requirements of a National Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not dischage effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of EPA.

**DIRECTIONS FOR USE**

**COOLING PONDS, LINED RESERVOIRS AND DECORATIVE FOUNTAINS:** This product may be applied at the lined reservoir, pond, or fountain inlet or at a location that permits complete diffusion into the water at maximum retention time before reaching the outlet. Sufficient FORMULA 3340 should be fed to maintain a total bromine level of 1.0-15 ppm in all parts of the reservoir or pond (two fluid ounces per 1000 gallons of water yields 3.4 ppm total bromine). Some systems may be maintained in satisfactory biological condition by applying this dosage intermittently while others may require a continuous application.

**SHELL EGG PASTEURIZER WATER SYSTEMS:** (not for use in California) For control of bacteria and associated slime in shell egg pasteurizer water systems add 2-6 ounces of this product per 1000 gallons of system water to achieve control. To maintain control add a sufficient amount to maintain 1.0-9 ppm total bromine throughout the system. (Two fluid ounces per 1000 gallons of water yields 3.4 ppm total bromine).

**AIR WASHERS:** (This product may be used only in industrial air washers and air washer systems which have mist-eliminating components.) For control of microorganisms in industrial air washer systems add this product to the air washer sump or chill water to provide a total bromine level of 1.0-9 ppm. Badly fouled systems must be cleaned before treatment is begun. FORMULA 3340 at a dosage of two fluid ounces per 1000 gallons of water yields 3.4 ppm total bromine.

**DISTRIBUTED BY:** GARRATT CALLAHAN COMPANY

**PRODUCT NO.** 0334000
**NET WEIGHT** 2850 LBS. (266.4 GAL)
**LOT NUMBER**

**FORMULA 3340**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**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.
  - Call a poison control center or a doctor for further treatment advice.

**NOTE TO PHYSICIAN:**

Aspiration may cause lung damage. Probable mucosal damage may contaminate the use of gastric lavage. Have the product container, label or MSDS with you when calling a poison control center or a doctor, or going for treatment.

**FOR 24 HOUR CHEMICAL EMERGENCY RESPONSE CALL CHEMTREC AT 1-800-424-9330.**

You may also call the Rocky Mountain Poison Control Center at 1-303-623-5716 or any other Poison Control Center for emergency medical treatment information.

**INDUSTRIAL & COMMERCIAL RECIRCULATING COOLING WATER, HEAT TRANSFER SYSTEMS AND PASTEURIZERS (Such as Evaporative Condensers, Hydrostatic Sterilizers and Retorts, Dairy Sweetwater Systems, Food and Beverage Pasteurizers and Once-Through Cooling Water Systems):** FORMULA 3340 should be applied directly to the cooling water at any section of the system where sufficient mixing will occur. This product should be applied to the cooling water to provide a total bromine level of 1.0-15 ppm. FORMULA 3340 added at a rate of two fluid ounces per 1000 gallons of water gives a dosage of approximately 3.4 ppm of total bromine, but higher dosages may occasionally be required to provide the desired bromine level throughout the system. The total bromine level should be checked with a test kit and an additional product applied until a reading of 1.0-15 ppm is obtained at the bleed-off point. Some systems may be maintained in satisfactory biological condition by applying this dosage once per day while others will respond better to dosages less than once per day. Some systems may be maintained in satisfactory biological condition by applying this dosage intermittently while others may require a continuous application.

**DISTRIBUTED BY:** GARRATT CALLAHAN COMPANY

**EPA REG. NO.** 63838-S-8540
**EPA EST. NO.** 8540-CA-01

**REV. 4/23/2015**

**MADE IN USA**

Page 1 of 2
DIRECTIONS FOR USE (CONT.)

FOR PULP & PAPER MILL INFLUENT WATER SYSTEMS: (not for use in California). This product should be added to the raw water intake prior to the filter house, economizer, or process water. Feed at a dosage sufficient to provide a total bromine level of 1.5-9 ppm. This product at a dosage of two fluid ounces per 1000 gallons of water, gives a dosage of approximately 3.4 ppm of total bromine, but higher dosages may occasionally be required to provide the desired bromine level throughout the system. Some systems may be maintained in satisfactory biological condition by applying this dosage intermittently while others may require a continuous application. This product may be used in pulp and paper influent water systems where the manufactured paper or paperboard may be used for food contact purposes.

FOR PULP & PAPER MILL PROCESS WATER SYSTEMS: (not for use in California). This product should be added to a paper making system at a point of uniform mixing such as the beaters, broke chest pump, save-all tank, or white water tank. Feed at a dosage sufficient to provide a total bromine level of 4-8 ppm. FORMULA 3340 at a dosage of two fluid ounces per 1000 gallons of water gives a dosage of approximately 3.4 ppm of total bromine, but higher dosages may occasionally be required to provide the desired bromine level throughout the system. Some systems may be maintained in satisfactory biological condition by applying this dosage intermittently while others may require a continuous application. FORMULA 3340 may be used in pulp and paper mill process water systems where the manufactured paper or paperboard may be used for food contact purposes.

OIL AND SECONDARY OIL RECOVERY SYSTEMS, DRILLING MUDS AND PACKER FLUIDS: (not for use in California). This product may be used to treat water used in primary or secondary oil or gas recovery systems to control the growth of anaerobic sulfide-forming bacteria and aerobic slime-forming bacteria. FORMULA 3340 may be used in seawater or fresh water, recycled or disposal/recovery systems, muds or fluids. FORMULA 3340 controls biological and slime deposits on pumps, pipework, heat exchangers, and filters associated with offfield and gasfield systems. It also controls slime deposits in formations. Add sufficient amount of FORMULA 3340 to achieve satisfactory biological control. Initial recommended dosing levels of 2.2 to 50 ppm as total Bromine are suggested. A dosage of two fluid ounces per 1000 gallons of water yields approximately 3.4 ppm of total bromine.

NOTE: Halogen dosages listed in the various applications are expressed as bromine. Since most field test kits for oxidizing halogens give values in terms of chlorine, simply multiply the reading from the test kit (as chlorine) by 2.25 in order to obtain the bromine equivalency listed in these directions.

FORMULA 3340

STORAGE AND DISPOSAL

OIL AND SECONDARY OIL RECOVERY SYSTEMS, DRILLING MUDS AND PACKER FLUIDS: (not for use in California). This product may be used to treat water used in primary or secondary oil or gas recovery systems to control the growth of anaerobic sulfide-forming bacteria and aerobic slime-forming bacteria. FORMULA 3340 may be used in seawater or fresh water, recycled or disposal/recovery systems, muds or fluids. FORMULA 3340 controls biological and slime deposits on pumps, pipework, heat exchangers, and filters associated with offfield and gasfield systems. It also controls slime deposits in formations. Add sufficient amount of FORMULA 3340 to achieve satisfactory biological control. Initial recommended dosing levels of 2.2 to 50 ppm as total Bromine are suggested. A dosage of two fluid ounces per 1000 gallons of water yields approximately 3.4 ppm of total bromine.

NOTE: Halogen dosages listed in the various applications are expressed as bromine. Since most field test kits for oxidizing halogens give values in terms of chlorine, simply multiply the reading from the test kit (as chlorine) by 2.25 in order to obtain the bromine equivalency listed in these directions.

Store this product in a cool dry area, away from direct sunlight and heat to avoid deterioration. In case of spill, flood areas with large quantities of water. Product or rinsates that cannot be used should be diluted with water before disposal in a sanitary sewer. Do not reuse empty container but place in trash collection. Do not contaminate water, food, or feed by storage, disposal or cleaning of equipment.

PESTICIDE DISPOSAL: Pesticide disposal 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: PLASTIC CONTAINERS: Nonrefillable container. Do not use this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Clean container promptly after emptying. Offer for recycling if available. Triple rinse as follows: Empty the 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. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.