Trexicide 323 is an effective agent for controlling algae, bacteria and slime in condensing and cooling equipment in which recirculating pond water is used as the cooling media and in reservoirs or ponds which serve as the source of boiler feedwater or cooling water. Trexicide 323 can also be used to control bacteria, algae and slime in decorative fountains, air washers, papermill influent water systems and food, beverage, and industrial process pasteurizers.

**DIRECTIONS FOR USE**

There is no violation of Federal law to use the product in this manner consistent with its labeling.

**Basic Guidelines:** This product is UV light sensitive, and may be applied at night time in most circumstances if exposure excessive may be a limiting factor. As a general rule, the total bromide level should be checked with a chlorine or bromine test kit at the bleed-off point furthest from the point of injection.

**Initial Dose:** When the system is reportedly fouled, a prewarming may be necessary. Then apply sufficient Trexicide 323 to achieve 2.4-4.5 ppm total bromine (1.5-6 ppm as chlorine) or as needed to maintain biofilm or microbial control.

**Subsequent Doses:** This product may be added using continuous or intermittent dosing methods to provide adequate control. Continuous addition methods may obtain adequate control at total bromine levels as low as 0.4 ppm. Adjust levels of total bromide according to maintain cleared control.

**Trexicide 323**

**INDUSTRIAL & COMMERCIAL RECIRCULATING COOLING WATER, HEAT TRANSFER SYSTEMS, and PASTEURIZERS:** Trexicide 323 should be applied directly to the cooling water at any section of the system where mixing occurs. It should be added to the system at a point of uniform mixing for optimum results. Treat the entire sump area, or other reservoir or collecting area from which the treated water will be circulated uniformly throughout the system. Trexicide 323 may be applied on a slug dose basis to the cooling water to provide a total bromine level of 1.0-1.5 ppm. Note that adequate algae control may require occasional intermittent slug dosing at a minimum of 3-6 ppm as total bromine. Some systems may be maintained in satisfactory biological condition by applying this dosage once per day while others will respond better to dosages more or less than once per day. For continuous dosing, feed product at a rate that maintains adequate control (1-3 ppm as total bromine).

**COOLING PONDS, LINED RESERVOIRS and DECORATIVE FOUNTAINS:** Trexicide 323 may be applied at the treatment pond or in all of a location that permits complete incorporation into the water at the maximum retention time before reaching the outlet. Sufficient Trexicide 323 should be fed to maintain a total bromide level of 1.0-1.5 ppm in all of the return or pond (two fluid ounces per 1000 gallons of water yields 1.5-3 ppm total bromine).

**AIR WASHERS:** This product may be used only in industrial air washers and air washer systems which have mild-extracting components. For control of microorganisms in industrial air washer systems, sufficient Trexicide 323 should be added to either sump or chilled water to provide a total bromine of 1.0-3.5 ppm throughout the system. The total bromide level should be checked with a test kit and additional product should be applied until a sufficient residual 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 more or less than once per day.

**SHELL EGG PASTEURIZER WATER SYSTEMS:** (not for use in California) For control of bacteria and associated slime in shell egg pasteurizer water systems, add 0.3 ounces of Trexicide 323 per 1000 gallons of water to achieve control. To maintain control add sufficient Trexicide 323 to maintain 2.5-7.5 total bromine throughout the system. (Two fluid ounces per 1000 gallons of water yields 1.5-3 ppm total bromine).

**FOR PULP & PAPER MILL INFLUENT WATER SYSTEMS:** (not for use in California) Trexicide 323 should be applied to the raw water intake prior to the filter house, economizer, or process water. Feed at a dosage sufficient to provide a total bromide level of 1.0-8.0 ppm. Trexicide 323 at a dosage of two fluid ounces per 1000 gallons of water gives a residual of approximately 5.1 ppm of total bromine, but a different dosage may be required to provide adequate control throughout the system. Some systems may be maintained in satisfactory biological condition by applying this dosage intermittently or while others may require a continuous application. Trexicide 323 may be used in pulp and paper mill processes where the manufactured product or paperboard may be used for food contact purposes.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CORROSION:** Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. Wash goggles or face shield. Wear coveralls worn over long sleeves shirts and long pants, socks, chemical resistant gloves, and chemical resistant boots.

**WASHING:** Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or going for treatment.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, ponds, streams, 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 discharge 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.

**US Patent No. 7,045,153. Other US and Global Patents Pending.**

**Pesticide Disposal:** Pesticide disposal wastes are considered hazardous. Improper disposal of excess pesticide spray material or rinsewater 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 Authority, or the Hazardous Waste Disposal Office at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not use this container to hold materials other than pesticides 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.

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

**NOTE TO PHYSICIAN:** Chemical eye burns may require irrigation. Obtain prompt consultation, preferably from an ophthalmologist. If in eyes:

**If inhaled:** Remove the victim to fresh air. If breathing is difficult, call a physician immediately.

**If swallowed:** Call a physician immediately.

**KEEP OUT OF REACH OF CHILDREN**

**DIRECTIONS FOR USE (continued)**

**FOR PULP & PAPER MILL PROCESS WATER SYSTEMS:** (not for use in California) Trexicide 323 should be added to a paper making system at a point of uniform mixing such as the beater, check plate, saw-all pump, or white water tank. Feed at a dosage sufficient to provide a total bromine level of 1.5-6.0 ppm. Trexicide 323 at a dosage of two fluid ounces per 1000 gallons of water gives a residual of approximately 5.1 ppm of total bromine, but a different dosage may be required to provide adequate control throughout the system. Some systems may be maintained in satisfactory biological condition by applying this dosage intermittently while others may require a continuous application. Trexicide 323 may be used in pulp and paper mill process water systems where the manufactured product or paperboard may be used for food contact purposes.

**NOTE:** Halogen dosages listed in these various applications are expressed as total 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.

**STORAGE AND DISPOSAL**

**Storage:** Product 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 sewage system or 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 considered hazardous. Improper disposal of excess pesticide spray material or rinsewater 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 Authority, or the Hazardous Waste Disposal Office at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not use this container to hold materials other than pesticides 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.

**PLASTIC CONTAINERS:** Nonrefillable. Do not use this container to hold materials other than pesticides 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 ½ full with water. Replace and tighten closures. Tip container on its side and roll it back forth, ensuring that least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinse into application equipment or a mix tank or store rinse for later use or disposal. Repeat this procedure two more times.

**DIRECTIONS FOR USE:**

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

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

**NOTE TO PHYSICIAN:** Chemical eye burns may require irrigation. Obtain prompt consultation, preferably from an ophthalmologist.

**If inhaled:** Remove the victim to fresh air. If breathing is difficult, call a physician immediately.

**If swallowed:** Call a physician immediately.

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**