SPECTRUS® OX103

For use as a Disinfectant, Sanitizer, Bactericide, Fungicide, Algaecide, and for Control of Microbial Stresses 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.

PRECAUTIONARY STATEMENTS
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 or 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.

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 to sewer unless in accordance with the requirements of the NPDES permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer unless in accordance with the requirements of the NPDES permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer unless in accordance with the requirements of the NPDES permit and the permitting authority has been notified in writing prior to discharge.

STORAGE AND DISPOSAL
Do not contaminate water, 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 drift, or rinse water 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 Halalidewa Waste representatives 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 loosen clinging particles. Empty residue into application equipment. Non-refillable container. Do not reuse or refill this container. 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 any 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 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 mouth-to-mouth if possible. Call a poison control center or doctor immediately for further treatment advice.

If swallowed: Call a poison control center or doctor immediately. Give water or small amounts of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

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

PROTECTION
PERSONAL PROTECTION

SPECTRUS® OX103

SPECKTROCHEMICAL COMPANIE

SPECTRUS

COOLING WATER SYSTEMS, WASTEWATER TREATMENT SYSTEMS, BREWERY PASTEURIZERS, AIR CONDITIONERS, DEHUMIDIFIERS, EVAPORATIVE COOLERS, PAPER AND PAPERBOARD PROCESS WATER, AND WATER FOUNTAINS/REFLECTING PONDS.

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**SPECTRUS® OX103**

**FOR USE AS A DISINFECTANT, SANitizer, BACTERICIdE, FUNGICIDE AND ALGICIDE IN RECIRCULATING COOLING WATER SYSTEMS AND ONCE-THROUGH COOLING WATER AND WASTEWATER TREATMENT SYSTEMS AND FOR CONTROL OF MICROBIAL SLIMES IN AIR CONDITIONERS, DEHUMIDIFIERS, EVAPORATIVE COOLERS AND PAPER AND PAPERBOARD PROCESS WATER.**

**DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**RECIRCULATING COOLING WATER SYSTEMS:** When used as directed, this product effectively controls algal, bacterial, and fungal slimes in commercial and industrial cooling towers, evaporative condensers, influent water systems such as flow-through filters, cooling ponds, canals, and lagoons; heat exchange water systems, industrial water scrubbing systems, brewery pasteurizers; and industrial air washing systems equipped with mist eliminators.

**ONCE-THROUGH COOLING WATER SYSTEMS:** When used as directed, this product effectively controls algal, bacterial and fungal slimes in once-through fresh or salt water cooling systems; cooling ponds, canals, and lagoons. Treat cooling water with this product at the system intake or other critical areas, where mixing is uniform.

**EVAPORATIVE COOLER:** When used as directed, this product effectively controls algal, bacterial and fungal slimes in evaporative coolers.

**PASTEURIZER, CAN WARMER, CANNERY, RETORT WATER SYSTEMS:** When used as directed, this product controls algal, bacterial, and fungal slime in canning cooling canal water, canning package warmers, canny pasteurizer water, and retort water.

**DOSAGE RATES - INITIAL DOSE:** When the system is noticeably fouled, add 0.2 to 0.6 lbs/1000 gallons (0.24 to 0.72 kg/10,000 L) of water contained in the system. Repeat initial dosage until 1 to 3 ppm (mg/L) bromine residual is established for at least 4 hours.

**SUBSEQUENT DOSE:** When microbial control is evident, add 0.1 to 0.3 lbs/1000 gallons (0.12 to 0.36 kg/10,000 L) of water contained in the system. Repeat as needed to maintain 1 to 3 ppm (mg/L) bromine residual for at least 4 hours.

**COMMERCIAL AIR CONDITIONER AND DEHUMIDIFIER BASINS OR DRIP PANS:** When used as directed, this product effectively controls microbial slimes in areas where water collects.

**WASTEWATER TREATMENT SYSTEMS:** When used as directed, this product effectively controls algal, bacterial and fungal slimes and offers rapid disinfection of primary, secondary and tertiary wastewater treatment systems.

**DOSAGE RATES:** Add 0.1 to 0.6 lbs./1000 gallons (0.12 to 0.72 kg/10,000 L) of water treated to maintain a 0.5 to 5.0 ppm (mg/L) bromine residual at the injection point in the disinfection contact chamber. Adjust this product’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:** This product, when used as directed, is effective as a water feature sanitizer and disinfectant. 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 this product, always follow directions on those products.

**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 silicocide for the process water used in the manufacture of paper and paperboard products. Do not exceed 1,000 grams (2.2 lbs.) 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 mining 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 lb. of this product to 1,000 gallons or 12 to 120 ppm (mg/L) of water in the system. When biological control is evident, add 0.1 to 0.75 lb. of this product to 1,000 gallons or 12 to 95 ppm (mg/L) of water in the system.

**TREATMENT BY RESIDUAL METHOD:** Add sufficient amount of this product to maintain a measured residual up to 5 ppm (mg/L) as bromine. Once biological control is evident, the use of this product normally can be reduced to something less than 1 ppm as bromine. To calculate the appropriate level of this product, estimate the paper mill’s daily production, then add, over a 24 hour period, up to 1,000 grams (2.2 lbs.) of this product per dry metric ton of dry fiber. Test for bromine to verify the level of 5 ppm (mg/L) is not being exceeded.

**Lot Number:** Net Weight: Packaging Date:

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**SUEZ WTS USA, Inc., 4636 Somerton Road, Trevose, PA, 19053**

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