**SPECTRUS* NX1102**

**SLIME CONTROL AGENT**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER**

Corrosive. Causes irreversible eye damage. Harmful if inhaled, swallowed, or absorbed through the skin. Do not get in eyes. Avoid contact with skin or clothing or breathing vapor. Wear protective eyewear (goggles or face shield). Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco and/or using the toilet. Remove contaminated clothing and wash separately before reuse.

**PERSONAL PROTECTION**

Personal Protective Equipment (PPE): Applicators and all other handlers must wear: Coveralls over long-sleeved shirt and long pants. Socks and chemical-resistant footwear. Goggles or face shield. Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyurethane, or vinyl. Respirator with an organic vapor mask or a respirator approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a charger approved for pesticides (MSHA/NIOSH approval number prefix TC-19G), or a canister approved for respirator with an organic vapor (DV) cartridge or canister with any R, P, or HE filter.

Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions are available, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product’s concentrate. Do not reuse them.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, ditches, or any other water unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has approved this product for discharge. Do not discharge effluent containing this product to sewers unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has approved this product for discharge.

For guidance contact your State Water Board or Regional Office of the EPA.

**STORAGE AND DISPOSAL**

**DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL**

**PESTICIDE STORAGE:** Keep container tightly closed. Store in a cool, dry, well-ventilated place. Do not store at elevated temperatures.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of pesticide spray mixture oronasol 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:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Offer for reconditioning if appropriate. 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.

**CONTAINER DISPOSAL:** Refillable container. Wash this container with pesticide only. Do not use this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. Do not refill or recondition this container. Triple rinse container (or equivalent) promptly after emptying. Offer for reconditioning if appropriate. 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.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.
**SPECTRUS™ NX1102**

**SILIC Control Agent**

**DIRECTIONS FOR USE:** 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 others.

**RECIRCULATING COOLING WATER SYSTEMS:** This product aids in the control of bacterial, fungal and algae slimes in evaporative condensers, heat exchange water systems, commercial and industrial cooling towers, influent systems such as flow-through filters and lagoons, industrial water scrubbing systems and brewery pasteurizers. **NOTE:** Add this product separately to the system. Do NOT mix it with other additives in order to avoid destabilization of this product due to the high pH of many additive formulations. Add this product at any point in the system to insure uniform mixing. This product may be added to the systems either continuously or intermittently as needed. The frequency of feeding and duration of the treatment will depend upon the level of contamination. Optimum performance of this product is achieved by continuous or intermittent treatment. If "shock" treatment is used, blowdown must be discontinued for 24 to 48 hours. Add this product at the rate of 0.005 to 1.0 lb. (0.6 to 120 ppm) per 1000 gallons of water in the system, depending upon the severity of contamination. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

**FOR CONTROL OF BACTERIA**

**INTERMITTENT OR SLUG METHOD - INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.05 to 0.1 lb. (6 to 12 ppm) per 1000 gallons of water in the system. Repeat until control is achieved. **SUBSEQUENT DOSE:** When microbial control is evident, add this product at the rate of 0.025 to 0.1 lb. (3 to 12 ppm) per 1000 gallons of water in the system every 4 days or as needed to maintain control.

**CONTINUOUS FEED METHOD - INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.05 to 0.1 lb. (6 to 12 ppm) per 1500 gallons of water in the system. **SUBSEQUENT DOSE:** Continuously feed this product to maintain a dosage of 0.005 to 0.05 lb. (0.6 to 6 ppm) per 1000 gallons of blowdown (or water loss) from the system.

**FOR THE CONTROL OF FUNGI AND ALGAE**

**INTERMITTENT OR SLUG METHOD - INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.1 to 0.2 lb. (10 to 25 ppm) per 1000 gallons of water in the system depending upon the severity of contamination. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

**SUBSEQUENT DOSE:** When microbial control is evident, add this product at the rate of 0.025 to 0.1 lb. (0.3 to 12 ppm) per 1000 gallons of water in the system. Repeat until control is achieved. **SUBSEQUENT DOSE:** When algal control is evident, add this product at the rate of 0.3 to 1.0 lb. (36 to 120 ppm) per 1000 gallons of water in the system. Repeat until control is achieved. **SUBSEQUENT DOSE:** Continuously feed this product to maintain a dosage of 0.3 to 1.0 lb. (36 to 120 ppm) per 1000 gallons of blowdown (or water loss) from the system.

**METAL-WORKING CUTTING FLUIDS CONTAINING WATER:** This product is effective in metal working fluid concentrates which have been diluted in water at ratios of 1:100 to 1:4. For controlling (or inhibiting) the growth of bacteria, fungi and yeasts that may deteriorate metal working fluids containing water, add this product to the fluid in the collection tank. Additions must be made with a metering pump. **INITIAL OR SLUG DOSE:** When the system is noticeably fouled, add this product at the rate of 0.25 gal. (2.65 lbs.) per 1000 gallons of metal working fluid in the system. Repeat until control is achieved. **SUBSEQUENT DOSE:** When microbial control is evident, add this product at the rate of 0.1 to 0.2 gal. (1.09 to 2.12 lbs.) per 1000 gallons of metal working fluid per day, or as needed to maintain control. **SUBSEQUENT DOSE:** Add this product to the material or product at a concentration of 1:100 to 1000 permil (1 to 10 ppm) per 1000 gallons of water in the system depending upon the severity of contamination. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

**NON-POTABLE REVERSE OSMOSIS SYSTEMS:** For controlling bacteria, fungi and algae slimes in non-potable REVERSE OSMOSIS systems and peripheral equipment, add this product to the system inlet water or before any other contaminated area ahead of the REVERSE OSMOSIS unit. This product must be added with a metering pump on an intermittent basis depending on the severity of contamination and the guidelines specified by the membrane manufacturer for this product. Add this product at the rate of 0.016 to 0.1 lb. (1.9 to 120 ppm) per 1000 gallons of water in the system depending upon the severity of contamination. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

**FOR THE CONTROL OF BACTERIA - INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.05 to 0.1 lb. (6 to 12 ppm) per 1000 gallons of feedwater. Add this product at the rate of 0.025 to 0.1 lb. (3 to 12 ppm) per 1000 gallons of feedwater. **SUBSEQUENT DOSE:** When microbial control is evident, add this product at the rate of 0.3 to 1.0 lb. (1.9 to 60 ppm) per 1000 gallons of feedwater per day or as needed to maintain control. **SUBSEQUENT DOSE:** Add this product to the material or product at a concentration of 25 to 2,000 ppm by weight. This concentration is equivalent to 2.8 to 224.0 fluid ounces per 1,000 gallons or 21.4 to 1,712.0 milliliters per 1,000 liters. The required concentration will depend on the material being treated and the level of contamination present.

**INDUSTRIAL PRESERVATION APPLICATIONS:** This product may be used to reduce microbiological contamination in raw materials and/or products such as: aqueous paints and coatings, polymers, slurries, adhesives, latex and resin emulsions, sizing, caulk, process water, along with specialty industrial products including: inks, polishes, waxes, detergents, and cleansers. Add this product to the material or product at a concentration of 25 to 2,000 ppm by weight. This concentration is equivalent to 2.8 to 224.0 fluid ounces per 1,000 gallons or 21.4 to 1,712.0 milliliters per 1,000 liters. The required concentration will depend on the material being treated and the level of contamination present.