**SPECTRUS® NX114**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER**

**PELIGRO**

**ACTIVE INGREDIENTS:**
- 2-Bromo-2-nitropropane-1,3-diol: 0.5%
- 5-Chloro-2-(methylthio)-4-oxazolidin-3-one: 1.5%
- 2-Methyl-4-isothiazolin-3-one: 0.68%
- **TOTAL CONTENTS:** 3.18%  

**KEEPS OUT OF REACH OF CHILDREN**

**DANGER**

**PELIGRO**

**User Safety Recommendations**

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Use should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Use should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**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 the 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 systems without previously notifying the local sewage treatment plant authority. 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 acute hazardous. Improper disposal of excess pesticide, spray mixture or rinseate 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 Protection 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 purdure 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: Nonreturnable 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, empty container 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its side end tip it back and forth several times. Empty the rinseate into application equipment or a mix tank or store rinseate for later use or disposal. Repeat this procedure two more times. CONTAINER DISPOSAL: Reusable container: Rinse this container with pesticide only. Do not reuse 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. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinseate into application equipment or rinseate collection system. Repeat this rinsing procedure two more times.

**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 5-10 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.  

**If swallowed:** Call a poison control center or doctor immediately. Have person sip a glass 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.  

**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 mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**HOT LINE NUMBER:** 1-800-222-1222

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-877-1940 for emergency medical treatment information.
SPECTRUS® NX114

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

This product is effective for the control of bacterial, fungal and algal slime in recirculating water systems, air washer systems that maintain effective mist eliminating, auxiliary/service water systems and waste water systems.

This product is effective for the control of bacteria and fungi which cause fouling in metal-working fluids, hydraulic fluids, hydrocarbon based fuel oils, and oil and/or water based industrial formulations.

RECIRCULATING WATER SYSTEMS

This product is effective for the control of bacterial, fungal and algal slime in evaporative condensers, heat exchanger water systems, commercial and industrial cooling towers, influent systems such as flow through filters and launders, industrial water scrubbing systems, brewery pasteurizers, hydraulics coolers and retrofit water. This product may be added to the system either continuously or intermittently as needed. The frequency of feeding and duration of the treatment will depend upon the severity of the contamination. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

INTERMITTENT OR SLUG METHOD - INITIAL DOSE: When the system is noticeably fouled, add this product at the rate of 0.4 to 4.2 pounds per 1000 gallons/50 to 500 ppm of water in the system. Repeat until control is achieved. SUBSEQUENT DOSE: When control is evident, add this product at the rate of 0.3 to 3.3 pounds per 1000 gallons/40 to 400 ppm of water in the system every 3 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 0.4 to 4.2 pounds per 1000 gallons/40 to 400 ppm of water in the system every 3 days or as needed to maintain control.

CONTINUOUS FEED METHOD - SUBSEQUENT DOSE: When the system is noticeably fouled, add this product at the rate of 0.4 to 4.2 pounds per 1000 gallons/40 to 400 ppm of water in the system weekly or as needed to maintain control.

MATERIALS BASED COOLANT FORMULATIONS

Intermediate water based coolant formulations used in closed recirculating systems can be contaminated with microorganisms. This product is an excellent in-can preservative to inhibit the growth of microorganisms through storage, shipping, handling and use. Intermediate water based coolant formulations can contain from 0.25 to 0.5% of this product or an in-can preservative of the quality of the formulation to extend the usefulness of the liquid coolant system. Final use dilution cannot exceed 500 ppm of this product in the final water based coolant formulation. As an example, treated coolant can be used in MRI (Magnetic Resonance Imaging) medical devices. The coolant is used to remove the heat generated by the gradient coil and the gradient amplifier.

AIR WASHERS

For use only in air washing systems that maintain effective mist eliminating components. To control bacteria, fungi and algae which cause fouling in industrial air washing systems, add this product to the air washing system or to the water system to control the contamination at the rate of 0.3 to 3.3 pounds per 1000 gallons/40 to 400 ppm of water in the system depending upon the severity of the contamination. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

INTERMITTENT OR SLUG METHOD - INITIAL DOSE: When the system is noticeably fouled, apply this product at the rate of 0.4 to 4.2 pounds per 1000 gallons/50 to 500 ppm of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When bacterial control is evident, add this product at the rate of 0.3 to 3.3 pounds per 1000 gallons/40 to 400 ppm of water in the system weekly or as needed to maintain control.

CONTINUOUS FEED METHOD - INITIAL DOSE: When the system is noticeably fouled, apply this product at the rate of 0.4 to 4.2 pounds per 1000 gallons/40 to 400 ppm of water in the system weekly or as needed to maintain control.

AUXILIARY WATER/SERVICE WATER AND WASTE WATER SYSTEMS

This product is effective for the control of odor-forming bacteria, slime-forming bacteria, fungi and algae in auxiliary water systems such as fire protection systems and pump or screen bays, waste water and waste material disposal, holding or recovery systems such as storage tanks, storage pits, associated piping, settling ponds or launders, transport spillways or canals and disposal wells.

INTERMITTENT OR SLUG METHOD - INITIAL DOSE: When the system is noticeably fouled, add this product at the rate of 0.4 to 4.2 pounds per 1000 gallons of water/50 to 500 ppm of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When control is evident, add this product at the rate of 0.3 to 3.3 pounds per 1000 gallons of water/40 to 400 ppm of water in the system every 3 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 0.4 to 4.2 pounds per 1000 gallons of water/40 to 400 ppm of water in the system every 3 days or as needed to maintain control.

SUBSEQUENT DOSE: Continuously feed this product to maintain a dosage of 0.3 to 3.3 pounds per 1000 gallons/40 to 400 ppm of water/40 to 400 ppm of water in the system every 3 days or as needed to maintain control.

This product may be added to the system water or by spraying on to a waste pile as needed. The frequency of feed or spray and the duration of treatment will depend upon the severity of the contamination. Additives to water systems should be made during the pumping operation and as close to the pump as possible to ensure adequate mixing.

INTERMITTENT OR SLUG METHOD - WHEN TREATMENT IS REQUIRED: Add this product at the rate of 0.4 to 4.2 pounds per 1000 gallons of water/50 to 500 ppm already in the system, or being added to the system for 4 to 8 hours, 1 to 4 times per week or as needed to achieve the desired level of control. When control is obtained, add this product at the rate of 0.3 to 3.3 pounds per 1000 gallons of water/40 to 400 ppm of water in the system.

METAL WORKING FLUIDS, HYDRAULIC FLUIDS, HYDROCARBON BASED FUEL OIL, AND OIL AND WATER BASED INDUSTRIAL FORMULATIONS

For control of bacteria, fungi and algae which cause fouling in metal working fluids, hydraulic fluids, hydrocarbon based fuel oils and oil and water based industrial formulations, add this product to the fluid insuring uniform mixing at the rate of 0.2 to 10 pounds per 1000 gallons/240 to 1200 ppm of fluid in the system depending upon the severity of the contamination. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

INTERMITTENT OR SLUG METHOD - INITIAL DOSE: When the system is noticeably fouled, add this product at the rate of 0.4 to 10 pounds per 1000 gallons/400 to 1200 ppm of fluid in the system every 4 weeks or as needed to maintain control.

SUBSEQUENT DOSE: When microbial control is evident, add this product at the rate of 0.2 to 5 pounds per 1000 gallons/240 to 600 ppm of fluid in the system every 4 weeks or as needed to maintain control.

Lot Number: 5008961

Material ID: 5008961

Packaging Date: 

Net Weight: Lb

GE Betz, Inc., 4636 Somerton Road, Trevose, PA, 19053

Business Phone: 215-355-3300 • Emergency Phone: 800-877-1940

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