**SPECTRUS® NX1100**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER**

- Corrosive. Causes irreversible eye damage. Causes skin burn.
- Harmful if swallowed or absorbed through the skin. Do not get in eyes, on skin or on clothing. Harmful if inhaled. Avoid breathing spray mist.
- Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Remove contaminated clothing and wash before replacing.
- Personal Protective Equipment (PPE): Applicators and all other handlers must wear: Covers over long-sleeved shirt and long pants. Socks and chemical-resistant footwear. Goggles or face shield. Chemical-resistant gloves such as bayer laminar, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride, or vinyl.

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. Drench 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, estuaries, coas 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 systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**ACTIVE INGREDIENTS:**
- 2-Methyl-3-nitropropane-1,3-diol .................................. 6.0%
- 5-Chloro-3-methyl-4-isoaliphathin-3-one .......................... 6.0%
- Methyl-4-isoaliphathin-3-one ........................................ 0.69%

**FIRST AID**

<table>
<thead>
<tr>
<th>Condition</th>
<th>Action</th>
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<tbody>
<tr>
<td>Eyes</td>
<td>Hold eye open and rinse slowly and gently with water for 15-20 minutes. If persistent, see a physician.</td>
</tr>
<tr>
<td>Skin</td>
<td>Wash with plenty of soap and water. If on skin, wash with soap and water.</td>
</tr>
<tr>
<td>Inhaled</td>
<td>Move person to fresh air. If breathing is difficult, give artificial respiration.</td>
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<tr>
<td>Swallowed</td>
<td>Do not induce vomiting unless told to do so by a poison control center or doctor.</td>
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**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

**User Safety Recommendations**

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. User should wash clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. User 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.

**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 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:**
- Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.
- Nonrefillable container. Do not return 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 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. Refill 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 rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.
### SPECTRUS® NX1100

**Made in USA**

**HEALTH**

<table>
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<tr>
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<th>REACTIVITY</th>
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**6022058**

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**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/water systems and waste water systems.

**RECYCLING WATER SYSTEMS**

This product is effective for the control of bacterial, fungal and algal slime 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, brewery pasteurizers, hydrostatic coolers and return waters. 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 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/50 to 500 ppm of water in the system. Repeat until control is achieved. 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 blowdown (or water loss) from the system.

**INTERMEDIATE WATER 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 0.36 to 5.26 bbl (100 to 1000 gallons) of this product for in-can preservation of the quality of the formulation and 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 system 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 washer pump or chill water pump to insure uniform mixing at the rate of 0.3 to 3.3 pounds per 1000 gallons/40 to 400 ppm of water in the system. Repeat until control is achieved. 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.

**CONTINUOUS FEED METHOD - INITIAL DOSE:** When the system is noticeably fouled, apply 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 - SUBSEQUENT DOSE:** When microbial control is evident, add this product at the rate of 0.4 to 4.2 pounds per 1000 gallons/50 to 500 ppm in the system. Repeat until control is achieved. 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 blowdown (or water loss) from the system.

**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 piles, associated piping, settling ponds or lagoons, 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 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/50 to 500 ppm in the system. Repeat until control is achieved.

**CONTINUOUS FEED METHOD - 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 blowdown (or water loss) from the system.

This product may be added to the system water or by spraying on to a waste pipe 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 - TREATMENT:** 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 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 inuring uniform mixing at the rate of 0.4 to 4.2 pounds per 1000 gallons/50 to 500 ppm of fluid in the system every 3 days or as needed to maintain control.

SUBSEQUENT DOSE: When microbial control is evident, add this product at the rate of 0.3 to 3.3 pounds per 1000 gallons/40 to 400 ppm of blowdown (or water loss) from the system.

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**Material ID:** 6022058  **Lot Number:** 6022058  **Net Weight:** Lb

GE Betz, Inc., 4636 Somerton Road, Trevose, PA, 19053
Business Phone: 215-355-3300 • Emergency Phone: 800-877-1940

Panel 2 of 2

UN2927 TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (MIXTURE OF 5-CHLORO-2-METHYL-4-ISOTHiazolin-3-ONE AND 2-METHYL-4-ISOTHIAZOLIN-3-ONE, 2-BROMO-2-NITROPROPANE-1,3-DIOL)