**SPECTRUS® NX1107**

For control of algae in recirculating cooling water systems, and in decorative and ornamental fountains.

**ACTIVE INGREDIENT:**
- Terbuthylazine: 2-(tert-butylamino)-4-chloro-6-(ethylamino)-S-Triazine (44.7%)
- OTHER INGREDIENTS: 55.3%
- TOTAL: 100.0%

**FIRST AID**

- If swallowed: Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by the poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

- If on skin: 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 continue artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for further treatment advice.

- 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 eye.
- Call a poison control center or a doctor for treatment advice.

**STORAGE AND DISPOSAL**

- Do not contaminate water, food, or feed by storage or disposal.
- STORAGE: Protect from freezing.
- PEDESTRIAN DISPOSAL: Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
- CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Repeat this procedure two more times.
- Tote: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mist tank, fill the container about 10 percent full of water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinseate collection system. Repeat this rinsing procedure two more times.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

Harmful if swallowed or absorbed through the skin or inhaled. Avoid contact with eyes, skin, or clothing. 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 clothing before reuse. Put on clean clothing. Follow personal protective equipment manufacturer's instruction for cleaning/maintaining personal protective equipment. If no such instructions for washables exists, use detergent and hot water. Store and wash personal protective equipment separately from other laundry. Remove personal protective equipment immediately after handling the product. Wash the outside of the gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

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

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

For product use see Panel 2

Manufactured for: GE Betz, Inc

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

Spectrus NX1107 is an Aqueous Dispersion

**HOT LINE NUMBER:** 1-800-722-7112

Have the label or MSDS with you when calling a poison control center or doctor, or going for treatment.
For control of algae in recirculating cooling water systems, and in decorative and ornamental fountains.

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read entire label and use strictly in accordance with precautionary statements and directions.

Industrial Use Application Restrictions: Opening pour of this product is prohibited. Mixing, loading, and application must be with a closed system (one that prevents the chemical from contacting handlers or other persons) and during handling of the chemical personal protective equipment must be worn. Personal protective equipment includes a long-sleeved shirt, long pants, shoes, socks, and chemical-resistant gloves. A chemical-resistant apron must be immediately available during loading and application and must be worn in case of a leak, spill, or other exposure to the concentrate.

When to apply: Heavy algae growth contributes to restricted water flow in recirculating cooling water systems, thereby impairing the efficiency of the system, especially heat-exchange efficiency. Spectrus NX1107 alone or a combination of Spectrus NX1107 and chlorine or a chlorine releasing agent (such as sodium, calcium, or lithium hypochlorite) used regularly controls algae and prevents re-establishment of algae when used according to directions.

Clean badly fouled systems before treatment. It is recommended that treatment be used prior to the first signs of algal growth, or after cleaning a system whose efficiency is already impaired by algal growth. Apply at a point in the system where Spectrus NX1107 will be uniformly mixed, such as in the tower sump.

Spectrus NX1107 is compatible with other water treatment products, including polymeric anionic scale inhibitors and dispersants, has low-foaming properties, and is non-corrosive to piping and equipment.

Treat the water early in the algal growth period (typically early spring) before the system is in jeopardy of becoming fouled by algae. For maximum effectiveness, systems with heavy algae growth should be cleaned before using Spectrus NX1107.

Treatment of algae in recirculating cooling water systems and in decorative and ornamental fountains: Apply Spectrus NX1107 at a point in the system where there is good mixing such as in the cooling tower basin near the recirculating water pump or near the fountain recirculating water pump. Spectrus NX1107 is slow to remove algae from a system and therefore its action will reduce the risk of large algal clumps possibly clogging the distribution deck orifices or the heat exchanger of a recirculating cooling water system.

Chlorinated Systems and/or Brominated Systems (I) Continuous addition: Initial Treatment - To keep systems free of algae, maintain up to 2.5 fluid ounces per 10,000 gallons of water, or about 2 ppm, of Spectrus NX1107 in the system water (which is equivalent to about 1 ppm active ingredient) in conjunction with either continuous dosing or regular shock doses (for example, one hour, twice a day) of 0.1 - 1 ppm free chlorine and/or bromine. In order to achieve a maintenance level of 2 ppm Spectrus NX1107 by continuous addition it will be necessary to have an appropriate dosing pump and know the volume, half-life (makeup/blowdown rate), evaporative rate, and windage loss of the system. Maintenance Treatment - Concentrations below the recommended level of 2 ppm Spectrus NX1107 may give adequate control, depending upon the strains of algae present. Experience will demonstrate the level of Spectrus NX1107 required.

(II) Slug/Intermittent addition: Initial Treatment - Apply sufficient Spectrus NX1107 to maintain up to 2 ppm Spectrus NX1107 in the water together with chlorination and/or bromination as described under the continuous addition section. Dosing concentration and frequency will be dependent upon a system's volume and half-life (makeup/blowdown rate). For example, to maintain 2 ppm Spectrus NX1107 in a system with a volume of 10,000 gallons and a half-life of 3 days, an initial dose of 4 ppm Spectrus NX1107 would be required (about 5 fluid ounces in 10,000 gallons). Followed by additions of 2 ppm Spectrus NX1107 (about 2.5 fluid ounces in 10,000 gallons) every 3 days. Maintenance Treatment - Concentrations below the recommended level of 2 ppm Spectrus NX1107 may give adequate control, depending upon the strains of algae present. Experience will demonstrate the level of Spectrus NX1107 required.

Non-Chlorinated and/or Non-Brominated Systems (I) Continuous addition: Initial Treatment - To keep systems free of algae, maintain up to 8 fluid ounces per 10,000 gallons of water, or about 6.7 ppm, of Spectrus NX1107 in the system water (which is equivalent to about 3 ppm active ingredient). In order to achieve a maintenance level of 6.7 ppm Spectrus NX1107 by continuous addition it will be necessary to have an appropriate dosing pump and know the volume, half-life (makeup/blowdown rate), evaporative rate, and windage loss of the system. Maintenance Treatment - Concentrations below the recommended level of 6.7 ppm Spectrus NX1107 must give adequate control, depending upon the strains of algae present. Experience will demonstrate the level of Spectrus NX1107 required.

(II) Slug/Intermittent addition: Initial Treatment - Apply sufficient Spectrus NX1107 to maintain up to 6.7 ppm Spectrus NX1107 in the water together with chlorination and/or bromination as described under the continuous addition section. Dosing concentration and frequency will be dependent upon a system's volume and half-life (makeup/blowdown rate). For example, to maintain 6.7 ppm Spectrus NX1107 in a system with a volume of 10,000 gallons and a half-life of 3 days, an initial dose of 13.4 ppm Spectrus NX1107 would be required (about 16 fluid ounces in 10,000 gallons), followed by additions of 6.7 ppm Spectrus NX1107 (about 8 fluid ounces in 10,000 gallons) every 3 days. Maintenance Treatment - Concentrations below the recommended level of 6.7 ppm Spectrus NX1107 may give adequate control, depending upon the strains of algae present. Experience will demonstrate the level of Spectrus NX1107 required.

NOTE: Buyer assumes all responsibility for safety and use not in accordance with directions.