

Spectrus* NX1106

microbiological control agent

Water Technologies & Solutions fact sheet

- Water-based antimicrobial
- FDA approved (CFR 176.170, 180, and 300)
- USDA approved (G-7)
- Approved for sale in California

description and use

Spectrus NX1106 is a microbial control agent approved for use in a variety of industrial water-based systems. Spectrus NX1106 contains 1.15% 5-chloro-2-methyl-4-isothiazolin-3-one and 0.35% 2-methyl-4-isothiazolin-3-one. This product is most effective as a bactericide, but will also control fungi and algae when used at higher dosages.

Spectrus NX1106 aids in the control of bacterial, fungal, and algal slimes in evaporative condensers, heat exchange water systems, commercial and industrial cooling towers, influent systems, industrial water scrubbing systems, brewery pasteurizers, as well as industrial air washer systems equipped with mist eliminators.

Control of microbiological populations in industrial water systems is essential to prevent biofouling. In cooling systems, biofouling of heat exchange equipment and tower fill reduces heat transfer efficiency and can force unscheduled shutdowns and extended turnarounds, leading to lost production. Biofouling can also damage equipment through microbiologically influenced corrosion (MIC). As a result of these effects, biofouling must be prevented in order for operating units to achieve profitability goals.

Alternating feed of Spectrus NX1106 with another microbiological control agent (e.g., a Spectrus NX

biocide product or an oxidizing biocide) will provide better long term control by reducing selection of resistant organisms.

treatment and feeding requirements

Spectrus NX1106 is most effective when shot-fed to the system. Correct treatment levels and frequency of Spectrus NX1106 addition depend on many factors. These include, but are not limited to, system cleanliness, types of microbes, nutrient concentrations, temperature, pH, retention time, and other system operating characteristics. Consult the product label for general dosage guidelines. Microbiological monitoring is recommended to evaluate product requirements. Consult your SUEZ representative for technical advice on your specific application.

In all cases, this product must be applied in accordance with use instructions on the Spectrus NX1106 label.

Feed Point - Spectrus NX1106 can be fed directly from the drum or diluted with water and fed by any suitable feed system. Spectrus NX1106 should be dosed directly into the sump or basin or other location where good distribution can be assured. In treating air washer systems, Spectrus NX1106 should be added to the air washer sump or chill water sump to ensure uniform mixing.

Compatible Materials - Spectrus NX1106 is compatible with most plastics, fiberglass, ceramic, and Teflon feed equipment. (Teflon is a registered trademark of DuPont.)

Avoid: 304 and 316 stainless mild steel, copper, brass lines, and equipment.

general properties

Physical properties of Spectrus NX1106 are shown on the Material Safety Data Sheet, a copy of which is available on request.

packaging information

Spectrus NX1106 is a liquid blend available in a wide variety of containers and delivery methods, including SUEZ's ChemSure* Drumless Delivery Services. Contact your SUEZ representative for details.

storage

Protect from extreme temperatures. Store Spectrus NX1106 at temperatures between 40°F (4°C) and 100°F (38°C).

safety precautions

Use of eye protection (goggles and face shield) and gauntlet-type gloves is required when handling this product. See Section 7 of the MSDS for additional information on recommended personal protective equipment.

general information

EPA Registration Number 3876-143

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