Product Facts

SPECTRUS™ NX1101
Microbiological Control Agent

- Patented, synergistic blend of biocide actives*
- Synergistic with oxidizing halogens*
- Effective at high pH
- Reduced environmental impact
- Improved safety features

DESCRIPTION AND USE

SPECTRUS™ NX1101 is registered with Agriculture Canada (Pest Control Product Act) for the control of slime growth formed by bacteria, algae and fungi in cooling water systems, air washers, water scrubbers, influent systems, industrial water systems and brewery pasteurizers. It is a unique blend of biocide actives in a water-based solvent system. The actives in SPECTRUS NX1101 consist of quaternary ammonium compound and bromo-nitropropane-diol (aka BNPD or bronopol). Fed together, these active ingredients have been shown to provide enhanced microbial control over a wide pH range.

This product is designed for the control of bacteria, algae and fungi in recirculating cooling systems and related influent systems. It is also registered for use in water scrubbing systems and brewery pasteurizers.Chlorine or bromine based biocide programs also benefit from use of SPECTRUS NX1101.

The toxicology of the actives in SPECTRUS NX1101 has been well studied and this product poses a greatly reduced health-risk compared to many water treatment biocides. The water-based formulation is also safer to store and handle than solvent-based formulations. In the environment, both SPECTRUS NX1101 actives undergo natural degradation which reduces their toxicity to non-target organisms.

TREATMENT AND FEEDING REQUIREMENTS

Treatment levels and treatment frequency will depend on system cleanliness as well as on system operating characteristics. Apply the product based on the control parameters established by BetzDearborn for a given system. In all cases, the product must be applied in accordance with use instructions on the SPECTRUS NX1101 label.

Dosage: When the system is noticeably fouled apply SPECTRUS NX1101 at a rate of 2.15 to 6.0 kg per 10,000 litres of water in the system. Repeat this treatment until control is achieved. When microbial control is evident, add 3.15 to 4.75 kg per 10,000 litres of water in the system as needed to maintain control, these dosages represent the extreme upper limit of product use requirements. In many systems, lower levels may prove effective. Evaluate product requirements through appropriate microbiological monitoring. Consult BetzDearborn Technical Marketing for technical advice on specific applications.

Feedpoint: Apply SPECTRUS NX1101 at a point where turbulence, flow patterns, etc. will provide good mixing with the water to be treated. The product may be fed intermittently or continuously to maintain the recommended dosage.

Dilution: If necessary SPECTRUS NX1101 may be diluted immediately before use. Storage in diluted form is not recommended.

Feed Equipment: SPECTRUS NX1101 is compatible with stainless steel, many common plastics (polypropylene, HDCL polyethylene, PVC, Kynar, Teflon, Halar and polysulfone) and elastomers (Buna N and S, EPR and Viton). Avoid the use of mild steel, copper and copper alloys, aluminum, galvanized metals, low density polyethylene, natural rubber, Neoprene, Hypalon and polyurethane. When using chemical feed pumps, make sure liquid side components are made of or coated with compatible materials.

GENERAL PROPERTIES

Physical properties of SPECTRUS NX1101 are shown on the Material Safety Data Sheet, a copy of which is available on request.

PACKAGING INFORMATION

SPECTRUS NX1101 is available in a variety of containers and delivery methods. Contact your BetzDearborn representative for details.

SAFETY PRECAUTIONS

A Material Safety Data Sheet containing detailed information about this product is available upon request.

BetzDearborn
Water Management Group