

Spectrus* NX1100

non-oxidising microbiological control agent

- Effective on a wide spectrum of bacteria, fungi and algae
- Controls biofilm formation
- Easy to feed liquid
- Non-foaming
- Effective over a wide pH range

description and use

Spectrus NX1100 is a proprietary, water based blend of non-oxidising biocides which is used to control microbial populations in open evaporative cooling systems. Spectrus NX1100 is particularly effective against aerobic bacteria.

Control of microbial populations in cooling systems is essential in order to prevent biofouling. Biofouling in heat exchangers and cooling tower fill reduces heat transfer efficiency leading to higher energy costs. Biofouling can also damage equipment through microbiologically influenced corrosion (MIC) and force unscheduled shutdowns, or extended turnarounds, resulting in lost production.

Biofouling in cooling system can provide an ideal environment for proliferation of *Legionella* bacteria, the cause of Legionnaires disease. The actives in Spectrus NX1100 have proven effective against *Legionella* bacteria in laboratory tests. However, chemical treatment alone will not be effective in reducing health hazards associated with *Legionella* bacteria. System design, location, maintenance practices and awareness of personnel are essential elements of a successful risk reduction programme.

typical applications

Spectrus NX1100 is typically used on an intermittent basis, and may be used in a programme which includes

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oxidising biocides. Spectrus NX1100 is applied as a disinfectant, fungicide and/or slimicide for commercial and industrial recirculating cooling water systems. Spectrus NX1100 is EPA registered for use as a disinfectant, fungicide and/or slimicide for commercial and industrial recirculating cooling water systems and industrial once through cooling water systems. It also controls bacterial, fungal and algal slimes in air washers and, food and beverage and industrial process pasteurisers, and influent water systems.

treatment and feeding requirements

Proper treatment levels and frequency of addition of Spectrus NX1100 depend on many factors, such as system cleanliness, microbial species, nutrient concentration, system half-life, and conditions particular to a given installation. The product should be used in accordance with control procedures that SUEZ establishes for a specific application.

Equipment recommendations are available upon request.

general properties

Physical properties of Spectrus NX1100 are shown on the Safety Data Sheet, a copy of which is available upon request.

packaging information

Spectrus NX1100 is a liquid, available in a variety of containers and delivery methods. Contact your SUEZ representative for details.

storage and handling

Store Spectrus NX1100 at moderate temperatures and protect from freezing. If frozen, thaw completely and mix thoroughly prior to use.

safety precautions

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