

# Spectrus\* NX1113

## non-oxidising microbiological control agent

- Fast acting
- Effective bactericide and algacide
- Effective over a wide pH range
- Non-foaming
- Low environmental impact
- Readily biodegradable
- Residual concentration can be determined analytically

### description and use

Spectrus NX1113 is a water based blend of non-oxidising biocides which is used to control microbial populations in open evaporative cooling systems. At use concentrations Spectrus NX1113 has a low impact upon the environment, and is readily biodegradable.

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. 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.

## Water Technologies & Solutions fact sheet

### typical applications

Spectrus NX1113 is typically used on an intermittent, shot dosed basis.

Spectrus NX1113 is applied as a disinfectant, fungicide and/or slimicide for commercial and industrial recirculating cooling water systems.

### treatment and feeding requirements

Proper treatment levels and frequency of addition of Spectrus NX1113 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.

Tanks, pumps and associated pipework and dosing lines should be constructed of stainless steel; cross linked, high density or low density polyethylene; polypropylene; polyvinyl chloride; Teflon; butyl linings; buna N or S; ethylpropylene or natural rubber; neoprene; urethane; Viton A or Viton litharge. Spectrus NX1113 is not compatible with aluminium, leaded brass, low carbon steel, nylon, polysulfone or Hypalon. (Viton and Hypalon are registered trademarks of DuPont Dow Elastomers. Teflon is a registered trademark of DuPont).

Active biocide residual concentration can be measured, on-site, by an easy iodine titration method.

### general properties

Physical properties of Spectrus NX1113 are shown on the Safety Data Sheet, a copy of which is available upon request.

## packaging information

Spectrus NX1113 is a liquid, available in a variety of containers and delivery methods. Contact your SUEZ representative for details.

## storage and handling

Store Spectrus NX1113 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.

**LENNTECH**

info@lennotech.com Tel. +31-152-610-900

www.lennotech.com Fax. +31-152-616-289