

# HYDREX™ 7310

Product Information - Technical Data Sheet

Micro-Biocide for Cooling Systems



## Description and use

HYDREX 7310 is a liquid microbiocide for use in a variety of water treatment applications, including open and closed recirculating cooling systems, paper mills, air washers and non-potable water storage. This biocide is specifically active against Legionella bacteria.

HYDREX 7310 causes immediate inhibition of growth on coming in contact with micro-organisms. Effective control is achieved at low concentrations, which makes HYDREX 7310 is an extremely cost-effective treatment.

## Advantages

- Very active against Legionella bacteria
- Effective over a wide range of pH, temperature and water hardness
- Readily biodegradable when diluted
- Low toxicity
- Compatible with chlorine or bromine and corrosion/scale inhibitors
- Compatible with non-ionic, cationic and anionic chemical
- Can be used to disinfect certain ion exchange resins
- Does not contribute significantly to the AOX level in a industrial effluent
- Effective at low concentrations - cost effective
- Not surface active - non-foaming

## Specification

- Physical form: Liquid
- Color: pale green to blue
- Odor: bitter
- pH product value: 2.50 - 4.50
- Specific gravity: 1.000 - 1.040

## Materials compatibility

Suitable dosing equipment materials are PVC, PVDF, PTFE, PP, 316 SS, and Cast Iron.

## Application information

HYDREX 7310 readily penetrates the surface of adhering biofilms and its biocidal action prevents from forming the sticky materials which are necessary to form biofilms in the first place. This product is stable over the wide range of conditions found in industrial water applications. It is stable in the presence of 1 ppm free chlorine and its stability compared with many other biocides at different levels of pH, temperature and total water hardness is excellent.

HYDREX 7310 has been shown to be effective against Legionella species even at low concentration and high pH levels, although it is not recommended for use as a disinfectant. Further details are available upon request. HYDREX 7310 is compatible with our entire range of corrosion and scale inhibitors and its stability and effectiveness in alkaline conditions makes it suitable for use as part of our 'High pH Solution for Open Evaporative Cooling Systems' (separate Technical Bulletin available upon request).

## Handling, storage and packaging

HYDREX 7310 is available in bulk, semi bulk and small containers. Details are available on request.

## Safety information

This product is hazardous and all PPE should be worn when handling this product. Detailed information on the product described in this leaflet can be found in our relevant health and safety information (Safety Data Sheet).