

# HYDREX™ 7311

Product Information - Technical Data Sheet

Biocide for Water Systems



## Description and use

HYDREX 7311 is a broad spectrum liquid microbicide for use in a variety of water treatment applications, including open and closed recirculating cooling systems, paper mills, process systems, air washers and non-potable water storage.

HYDREX7311 causes immediate inhibition of growth on coming in contact with micro-organisms. It controls a wide variety of algae, bacteria and fungi found in industrial water systems. Effective control of such a wide variety of micro-organisms is achieved at low concentrations, which makes HYDREX 7311 is an extremely cost-effective treatment.

## Advantages

- Broad spectrum activity against algae, fungi and bacteria, including Legionella Pneumophila and sulphate reducing bacteria
- Very effective against biofilms
- Effective over a wide range of pH, temperature and water hardness
- Readily biodegradable when diluted
- Compatible with low levels of free chlorine or bromine as well as corrosion and scale inhibitors
- Compatible with non-ionic, cationic and anionic chemicals
- Can be used to disinfect certain ion exchange resins
- Does not contribute significantly to the AOX (Absorbable Organic Halogens) level in a typical industrial effluent
- Effective at low concentrations - cost effective
- Not surface active - non-foaming

## Specification

- Physical form: Liquid
- Color: Pale green
- Odor: Pungent
- pH product value: 2.00 - 4.00
- Specific gravity: 1.060 - 1.100

## Materials compatibility

Tanks recommended materials: 316SS, PVC, PTFE, PVDF, Polypropylene, Black Iron

## Application information

HYDREX 7311 readily penetrates the surface of adhering biofilms and its biocidal action prevents micro-organisms from forming the sticky materials which are necessary to form biofilms in the first place. Thus HYDREX 7311 is extremely effective against biofilm formation and at biofilm removal.

HYDREX 7311 is stable over the wide range of conditions found in industrial water applications.

HYDREX 7311 has been shown to be effective against Legionella species even at low concentration and high pH levels. Further details are available upon request.

HYDREX 7311 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'

## Handling, storage and packaging

HYDREX 7311 is available in pails, drums, IBC, and bulk upon request.

## Safety information

Detailed information on the product described in this leaflet can be found in our relevant health and safety information (Safety Data Sheet). Please contact your Veolia representative for further information.