

# HYDREX™ 4601

Product Information – Technical Data Sheet

**Water Treatment Chemical**  
Biological Control (non-oxdizing)



## Description and Use

Hydrex 4601 is a non-oxidizing product which is effective against wide range of micro organisms. It exhibit fast acting bactericidal activity at low dosage.

Hydrex is intended to be used in the disinfection of reverse osmosis, NF, open & closed cooling systems, also for industrial water tank preservation. It should never be used in drinking water plants.

## Advantages

- ✚ Rapid disinfection
- ✚ Effective against wide range of micro organism
- ✚ Non-foaming
- ✚ Convenient liquid formulation
- ✚ Active ingredient is approved by membrane manufacturers for disinfection and storage for polyamide membranes

## Application Information

Hydrex 4601 is effective control of a wide variety of micro-organisms is achieved at low concentrations, which makes Hydrex 4601 an extremely cost-effective treatment.

For RO membrane preservation, the typical dose of Hydrex 4601 is 450 – 750 ppm (by volume) and the static soak time should be 1 hour.

For cooling system, the dosing is normally shot dosed at a concentration of 100-250 ppm (by volume) of system capacity. Frequency of dosing is normally once weekly during summer and less frequently during winter.

Do not discharge Hydrex 4601 into lakes, streams, ponds or public water unless in according with local authority regulations.

Please consult your VWS representative for detailed instructions regarding the application of the product.

## Specifications

- ✚ Appearance : Clear pale green liquid
- ✚ Specific Gravity: 1.00 – 1.10 (@ 20 °C)

- ✚ pH (as supplied) : 3.0 – 6.0 (@ 25 °C)
- ✚ Flash Point : Non-flammable
- ✚ Solubility in Water : Fully soluble in water

## Materials Compatibility

Hydrex 4601 is an aqueous solution. Suitable dosing equipment materials are PVC, glass lined, glass reinforced plastic, PP or HDPE.

## Packaging

Hydrex 4601 is available in 20 kgs, 200 kgs and 1000 kgs containers. Details are available on request.

Shelf life of Hydrex 4601 is 2 years from production date under normal handling and storage conditions.

## Safety Information

This product in a strong irritant to skin and eyes, both as a concentrate and as a solution. Eye and skin contact should be avoided by wearing PVC/rubber gloves and goggles as well as protective overalls.

Ensure that the operator is fully informed and familiar with the use of the product. Store in the original containers and ensure that the cap is always secure.

Do not store in temperatures above 40°C or below 0°C for extended periods. Do not stack more than two high for prolonged periods.

Please refer to the Safety Data Sheet for more detailed information.

## Publication

This product information is released on 25 Mar. 2024, to replace all previous versions of Hydrex 4601 product information document.

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