



# AquaSmart Ultra

SUPER CONCENTRATED MULTI-PURPOSE DISINFECTANT

**Triple7 AquaSmart Ultra** is a super-concentrated, professional grade, hydrogen peroxide based disinfectant developed for water purification and pipeline disinfection.

The product can also be used for air and surface sanitisation.



## Powerful Technology

**Triple7 AquaSmart Ultra** is an environmentally responsible sanitiser. In the complex manufacturing process, the active substance, hydrogen peroxide, is stabilised and boosted with silver, providing a significantly enhanced effectiveness against micro-organisms. The oxygen particles are separated when the hydrogen peroxide attacks the cell walls of the micro-organisms, causing a chemical reaction between the oxygen and the cell wall molecules which denatures and destroys the organisms. This sanitisation is intensified by the silver ions which form a bond with the disulphide bridge which inactivates and helps destroy certain proteins found in micro-organisms. Any traces of silver that may remain on the treated surfaces are not visible and non-toxic, however, they help prevent any renewed contamination.



## Short info:

### Suitability:

- Water disinfection, pipe and tank disinfection, cooling tower treatment
- Surface disinfection, aerosol disinfection, spray disinfection

### Product type:

High concentrated product

### Effectiveness:

- Bacteria, viruses, yeasts and fungi, bacterial endospores, biofilm

### Shelf life:

2 years

### Active ingredients:

50g/100g Hydrogen peroxide, 0.042g/100g silver

### Safety Precautions: (R and S Phrases)

R20/22, R34, S23, S26, S36/37/39, S45, S51

**Symbol :** C, O

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# Triple7 AquaSmart Ultra



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## Application

**Triple7 AquaSmart Ultra** is designed to be diluted and used to disinfect contaminated surfaces. Always clean soiled surfaces prior to sanitising to ensure effective disinfection. The better the initial cleaning procedure is, the more effective the subsequent disinfection. Triple7 Mega Clean is the recommended initial cleaner for most applications.

## Recommended Dosage – Overview

2-3% for **low-degree contamination** on a thoroughly clean surface - combats bacteria, viruses, yeasts & fungi.

6% for **high-degree contamination** on a clean surface.

10% for **extremely high contamination** - combats mould (mycelium), bacteria, yeasts & fungi.

12-15% for **bacterial endospores**.

1000mL/m<sup>3</sup> for **pipeline & tank** disinfection shock cure.

25-100mL/m<sup>3</sup> for **water disinfection** in cooling towers, air washers, irrigation systems, etc.

## Surface Disinfection

**Triple7 AquaSmart Ultra** can be applied as a common surface disinfectant - usually at a dilution rate of 3-15%.

### Dosage Dosage / m<sup>2</sup> Field of application

50-100mL **Triple7 AquaSmart Ultra** at 1:32 parts water for surfaces contaminated with typical organic material (i.e. food processing areas, kitchens, bathrooms, etc.)

70-150mL **Triple7 AquaSmart Ultra** at 1:15 parts water for highly contaminated surfaces with a high organic load.

1. Dilute **Triple7 AquaSmart Ultra** immediately before use
2. Apply with a sprayer or mop on the surface to be treated.
3. Leave to air dry; rinsing is not required\*.

### Recommended contact time:

15 minutes for bacteria & mould.

60 minutes for viruses, yeasts and fungi.

## Disinfection by Immersion

For disinfecting parts in a wash bath, dilute **Triple7 AquaSmart Ultra** at 1:32 parts water. Soak parts for 2-4 hours in the solution. The **Triple7 AquaSmart Ultra** solution can be reused for up to a week. Items which are sanitised best with immersion include working tools such as joints, screw fittings, utensils, cutting boards, etc.

## Water Systems Disinfection

To disinfect pipelines, tanks, drinking water equipment, etc. prepare a 1:25 solution of **Triple7 AquaSmart Ultra**. Fill the water system with the disinfectant solution and leave for 12-24 hours. Afterwards the disinfection solution can be safely disposed of in the sewage system.\*

## Water Disinfection

Add 25-100mL of **Triple7 AquaSmart Ultra** per m<sup>3</sup> of water for disinfection and preservation of process water, spray water, rinsing water, washing water, etc. Depending on the germ type and count, the contact time can vary from 15 minutes to 12 hours.

For drinking water treatment, the specific water source conditions have to be examined in order to determine the exact dosage required. The microbiological values also need to be monitored. The initial dosage depends on the water quality, temperature, germ load, potential time of action and surface structure of the water system as some parameters may accelerate the decomposition of the disinfectant into water and oxygen. The upper limit for the content of **Triple7 AquaSmart Ultra** measured in the sample water on the tapping point is max. **34 ppm/ ml/m<sup>3</sup>**.

## Caution

- Ensure all parts of dispensing equipment coming in contact with **Triple7 AquaSmart Ultra** are made of hydrogen peroxide resistant materials.
- Use biocides safely. Always read the label and SDS before use and use as instructed with appropriate PPE.

\* National & local regulations concerning the application of disinfectants need to be observed and supersede any instructions reported on this brochure.

The operating instructions, both oral and written, are based on extensive tests. Our advice is given to the best of our existing knowledge but is not binding insofar as the application and the storage conditions lie beyond our direct control. The description of the products and details of the properties of the compounds do not subsume any liability for damage.



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