

i.12 disinfectant



Properties

Disinfectant. Legal use requirement: Permitted use exclusively as an agent to control: (1) bacteria (excluding mycobacteria and bacterial spores), yeasts and surfaces that may come into contact with food and beverages and their raw materials (excluding dairy farm equipment). (2) bacteria, moulds and algae in cooling water systems, pasteurization plants, and other industrial process water, (3) for preventing and removing green deposits on surfaces. Product type PT2, PT4, PT10, PT11. Use biocides safely. Always read the label and product information before use. Professional use only.

Better

Reliable disinfection ensures a hygienic and safe work environment.

Safer

Tested and approved for professional use to create a safe, disinfected work environment. Appropriate personal protective equipment (PPE), chemical-resistant gloves, protective clothing, and safety goggles or face protection, must be worn during application. Avoid release to the environment. Handle with care and follow the safety instructions provided in the SDS.

Greener

Biobased 5L can result in a net carbon-negative impact.

Faster

Fast-acting disinfectant for professional hygiene and industrial applications.

Cleaner

Effectively removes microorganisms and prevents biofilm formation on treated surfaces.

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Instructions for Use and dosage

1. Use as a Disinfectant

Thoroughly clean the surfaces and materials to be disinfected first. Rinse off any cleaning agent used with clean water. Remove excess liquid. If treated surfaces or materials may come into contact with food or beverages, they must be rinsed thoroughly with clean water after the contact time.

Minimum contact time: 5 minutes.

For use in areas where food and beverages are prepared, processed, or stored, and for general use, the recommended concentration is **4 mL per liter of water**.

For use in hospitals, the product is recommended **only** for the following applications:

Application	Dilution	Minimum contact time
Surfaces (walls, floors, and furniture), excluding tuberculosis wards and isolettes	1:250 (4 mL/L)	5 minutes
Surfaces and equipment in kitchens	1:250 (4 mL/L)	5 minutes
Toilets and other sanitary areas	1:250 (4 mL/L)	5 minutes
Instruments (excluding cystoscopes and other delicate medical instruments): only after use and prior to cleaning and sterilization	1:250 (4 mL/L)	-

Caution: Use of the product may lead to the selection of bacterial strains resistant to it.

2. Industrial Applications

2.1 Use in cooling water systems, pasteurization installations, and other forms of process water

Clean heavily contaminated systems before treatment.

Initial dosage

Add **50 mL of the product per m³** of system volume once per week. If this dosage does not produce satisfactory results, increase the dosage up to **400 mL per m³** of system volume.

Maintenance dosage

Add **50 mL of the product per m³** of system volume once per week. If slime formation increases again, increase the dosage accordingly.

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2.2 Paper and cardboard industry

The product must be added through a dosing unit to the pulp-water basins.

Initial dosage

Add **2–4 liters of the product per ton** of paper or paper pulp. In auxiliary dosing systems: **100–200 mL per 100 L**, added directly. Repeat this until the system is under control.

Maintenance dosage (continuous or intermittent method)

Add **200–2000 mL per ton** of paper or paper pulp. Adjust the dosage to maintain system control. In auxiliary dosing systems: reduce to **100–200 mL per 100 L**.

3. Control of Green Deposits (Algae, Moss, Green Film)

3.1 Removal of green deposits

For removing green deposits on windows and materials in empty greenhouses and warehouses:

Spray or brush thoroughly with a **2.5% solution** of the product (25 mL per 1 liter of water). After several days, remove dead algae, moss, dirt, etc., by rinsing with a strong water jet or scrubbing. This cleaning step does not need to be performed immediately since the product has no harmful after-effects or fumes. Treatments can therefore be carried out up to shortly before planting.

3.2 Prevention of green deposits

On clean windows, spray with a **2.5% solution** (25 mL per liter of water). Due to the absence of harmful residues, rinsing is not necessary and not permitted. This method prevents green deposits for several months.

When cleaning windows manually (scrubbing), a **1.5% solution** (15 mL per liter of water) is sufficient.

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3.3 Removal and prevention on walls, roofs, tiled paths, flagstones, gravestones, windows, railway sleepers, garden furniture, etc.

Spray, pour, brush, or scrub with a **2.5% solution** (25 mL per liter of water). Do not rinse. Do not spray or pour the product on plants. Keep pets away from treated areas until completely dry.

Important Note:

The product becomes inactive when it comes into contact with soap or synthetic detergents.

Transport, Handling, and Storage

Classified under CLP and GHS regulations. Corrosive liquid. Handle with care and avoid contact with incompatible materials. Prevent release to the environment. Store only in i-hygienic's original, closed packaging in a cool, well-ventilated place away from acids and metals. Protect from extreme temperatures and direct sunlight. Ensure containers remain upright during transport. See Safety Data Sheet (SDS) for detailed safety and handling instructions.

Specifications

Dosing protocol	AutoDose Ultra	FlexDose
Packaging (CU)	Pouch	Can
Content CU (litr)	1.8	5
Articlecode CU	I12.PO.1800	I12.CA.5000
Barcode CU	8721284400615	8719956069611
Articlecode box (BU)	K.4.I12.PO.1800	K.2.I12.CA.5000
Barcode BU	8721284400714	8719956069918
Content BU	6	2
BU per layer	12	16
Pallet layers	5	5
BU on pallet	60	80
CU on pallet	240	160

[Safety Data Sheet](#)

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