



DisOx™

USER MANUAL

DisOx™ is a general-purpose highly efficient disinfectant with strong cleaning power. It is an environmentally friendly yet powerful replacement for bleach, without the offending chlorine smell. It is in fact chlorine-free.

It can be prepared and used as 1%, 2% and stronger concentration solution. It is advisable to use 2 % solutions for horizontal, and especially, vertical surfaces when strong disinfection effect is required quickly with no-rinse.

Preparation of DisOx™ solution:

1. Read the Material Safety Data Sheet before use.
2. Determine the surface area required to be disinfected.
3. Fill an adequately-sized container with the appropriate amount of lukewarm or room temperature water as per the table below.
4. Add the following amount of *DisOx™* to the water as per the table below.
5. Stir well and wait about 10 minutes for solution to turn clear. Solution will foam initially. Please allow some free volume in the container for foam formation.

Approx. Surface Area	Volume of water	Amount of <i>DisOx™</i>	
		1%	2%
50 m ²	15 litre	150 g	300 g
100 m ²	30 litre	300 g	600 g
500 m ²	150 litre	1.5 kg	3 kg
1,000 m ²	300 litre	3 kg	6 kg
2,500 m ²	750 litre	7.5 kg	15 kg

→ **Note:** for routine equipment cleaning and disinfection, create a *DisOx™* solution at a dilution of 1:100 by weight, e.g. 10 g *DisOx™* for 1 litre (1,000 g) water.

Preparation of Stock Solution for Automatic Injection:

DisOx™ has relatively low solubility and can be prepared as a concentrated solution with maximum strength of 15%. Concentrated DisOx™ solution can be injected into water stream by metering equipment at ratio of 1 to 15. In this case, the final concentration applied to the surface will have strength of 1%. In order to prepare 15% stock solution add 1.5 kg of DisOx™ into 5 l of lukewarm or room temperature water, start mixing, and then top with additional 4 litres of water. If smaller volume of solution is required, use 150 g of DisOx™ per 900 ml of water. The solution will foam intensely, always use container of double volume in order to prevent the foam spill. To expedite preparation process, mix solution for 10-20 minutes. As soon as powder is dissolved, solution can be used. Do not store concentrated solution longer than 5 hours, because with time, precipitation of white sediment will occur. Precipitation will not decrease disinfection power of solution, but it will affect its surface coating density.

Application:

1. If you use a sprayer, add solution to sprayer and use a face mask to prevent aspiration of mist.
2. Ensure proper personal protective equipment is worn at all times (chemical-resistant gloves, protective clothing, safety glasses, impermeable boots). Adequate ventilation must also be present.
3. Apply DisOx™ solution to surfaces to be disinfected.
4. When 1% and 2% solutions are used for surface disinfection, wash away is not necessary. Just allow surface to dry completely. The solution is non corrosive and not staining.
5. If stronger concentration is used, allow surface to be in contact with DisOx™ solution for at least 10 minutes before washing away.
6. When solution is used for soaking, replace it every 5 days.