



# SANOSIL

DISINFECTANTS FOR LIFE 



# SanoClean Forte

Disinfectant and cleaning agent for  
whirlpool baths and hot tubs

[www.sanosil.com](http://www.sanosil.com)

# SanoClean Forte

Disinfectant cleaner for whirlpool baths / hot tubs



... Ideal for cleaning and disinfecting difficult-to-access water/air ducts, nozzles, pumps, etc. in whirlpool baths and for cleaning the interior surfaces of hot tubs.

- ✔ Cleans and disinfects in one step
- ✔ Highly effective against biofilms and VBNC germs
- ✔ Does not cause unpleasant odours
- ✔ Compatible with common pipe and lining materials in pools
- ✔ No alcohol, chlorine/chlorine compounds or QAC
- ✔ Does not develop AOX / trihalomethanes
- ✔ With catalytically enhanced hydrogen peroxide
- ✔ The hydrogen peroxide completely (100%) decomposes into water and oxygen
- ✔ Shelf life of over 2 years
- ✔ High-quality product made in Switzerland



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## Product description

SanoClean Forte disinfectant detergent is used for professional and commercial maintenance, cleaning and disinfection of pipes, pumps and jets in whirlpool baths and for cleaning the interior surfaces of hot tubs.

It develops virtually no foam and, in the correct concentration, is compatible with standard hot tub materials. SanoClean Forte works efficiently against dirt (e.g. soap residues, grease deposits) due to a mixture of coordinated surfactants and is particularly effective against wet germs and biofilms thanks to the active oxygen that is released.

Hydrogen peroxide is used as the active ingredient for disinfection, which is additionally stabilised and its disinfecting effect is catalytically enhanced many times over by adding a minimal amount of silver. This process can increase the disinfection effect by up to 800%. After application, hydrogen peroxide also completely decomposes into water and oxygen.



## Biofilms and VBNC germs

**Note:** In the case of serious biofilm growth, disinfection with conventional products is usually useless because the biofilms (slimy deposits of bacteria, fungi and protozoa) cannot be reliably removed.

In addition, the bacteria are often in a "VBNC" state (viable but not culturable).

This skews performance controls and offers a false sense of security.

**In contrast, Sanosil can effectively eliminate both biofilms and VBNC germs.**



SanoClean Forte

## Overview

### Product type

Concentrate (no hazardous substances)

### Suitability

Cleaning and disinfection of pipes, nozzles and pumps in hot tubs

### Effective against

Greasy dirt, soap residue, deposits of essential bath oils, wet germs and biofilms

### Shelf life:

2 years

### Contains

7.5 g/100 g of hydrogen peroxide  
0.0075 g/100 g of silver  
<5 g/100 g surfactants



## How it works

- 1 The oxygen ( $^1\text{O}_2/\text{O}_2$ ) released by the hydrogen peroxide attacks the cell walls of the microorganisms. Oxidation denatures and destroys them (cold combustion).
- 2 The effect is supported by silver ions, which enhance the effect of the peroxide in a catalytic process. They also block the metabolism (where applicable) and the ability of the germs to multiply.



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# SanoClean Forte: Application



## Protective measures:

SanoClean Forte contains 7.5% hydrogen peroxide. This may irritate unprotected skin.

**Wear gloves and safety goggles when handling concentrated SanoClean Forte.**

Before using the product, read and follow the handling, storage and transport instructions on the safety data sheet.

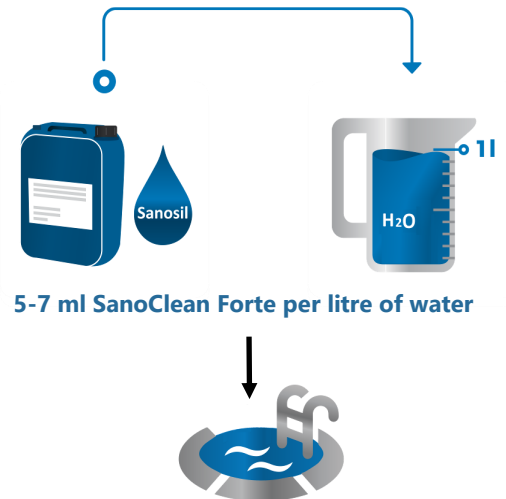


SanoClean Forte



## Application in pipes, pumps, nozzles, etc.

1. Fill the tub with water until the circulation pump inlet is underwater
2. Add SanoClean Forte to the water. **Dosage: 5-7 ml per litre of water**
3. Start the circulation pump and allow the cleaning solution to circulate for approx. 5-10 minutes. All pipes and nozzles should be rinsed with the solution. If applicable, the air injection system should be switched off. Otherwise, there may be an unwanted build-up of foam over time
4. Switch off the pump and let it operate for 3-4 hours (ideally overnight). **Do not bathe in the cleaning solution!**
5. Switch the pump on again for 10 minutes
6. Drain the disinfectant solution into the sewage system
7. Briefly rinse with fresh water. The lines are now clean



## Application: cleaning tub surfaces (empty)

1. **Mix 100 ml of SanoClean Forte with 1 litre of water**
2. Moisten stains with the cleaning solution and a soft sponge (never use the scouring surface) and remove them mechanically
3. Allow to act briefly, then rinse off. Use the rest of the cleaning solution to disinfect the pipes (see above)

## Information on safe handling and application tips:

- Never use SanoClean Forte undiluted
- SanoClean Forte is NOT a water sanitiser
- It is used solely for cleaning and disinfecting the tubs and pipes
- For tubs with a built-in carbon filter, the filter should be disconnected/removed before cleaning/disinfection. Otherwise, most of the SanoClean Forte will be filtered out. The filter must be cleaned and/or backwashed separately
- At the correct concentration, SanoClean Forte typically exhibits very good material compatibility. In rare cases, however, discolouration may occur. If you have any doubts about this, we recommend carrying out tests on non-visible areas beforehand
- SanoClean Forte is not effective against limescale stains. A special limescale remover should be used for limescale stains

**Use biocides with caution. Always read the label and product information before use.**

Our application notes, both in written and verbal form, are based on extensive testing. We provide advice to the best of our current knowledge, but without any obligation insofar as the application and storage are beyond our direct control. Product descriptions or information about the properties of the preparations do not contain any statements concerning liability for any damage.



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