



SANOSIL

DISINFECTANTS FOR LIFE 



Sanosil MC-A

Alkaline special cleaner for membrane filter systems

Sanosil MC-A

Alkaline special cleaner for reverse osmosis, microfiltration and ultrafiltration systems



... for cleaning and degreasing of alkali-resistant filter materials

- ✔ Removes grease and oil residues from filter materials
- ✔ Removes protein deposits, mobilises and breaks down biofilms
- ✔ Dissolves organic soiling and dyes
- ✔ Optimises the flow rate, reduces filter pressure and energy consumption
- ✔ Easy to rinse – also suitable for drinking water systems
- ✔ Low foam for optimum contact
- ✔ Ideal for pre-disinfection treatment with Sanosil disinfectants
- ✔ Can also be used to treat fabric filters and ceramic filter cartridges
- ✔ High-quality product made in Switzerland



SANOSIL
DISINFECTANTS FOR LIFE 

SANOSIL AG • CH-8634 Hombrechtikon • Switzerland
E-mail: service@sanosil.com
www.sanosil.com



Sanosil MC-A: product description

Sanosil MC-A is a highly alkaline special cleaner for membrane filters and is particularly suitable for use in food production, the machine industry as well as for wastewater treatment in the garage industry.

Sanosil MC-A very effectively and efficiently removes mechanical oils and greases, proteins, organic dyes as well as other stubborn contamination. Once the contamination has been removed from the filter membranes with Sanosil MC-A, the flow rate increases, the back pressure is reduced and the energy consumption of the pumps installed in the system is lowered.

Ideally, Sanosil MC-A should be combined with the Sanosil disinfectants* as part of a co-treatment in order to remove additional microorganisms and biofilms. It optimally prepares filter membranes for subsequent disinfection using Sanosil disinfectants by mobilising and breaking down biofilms and bacterial slime. This makes it easier for the disinfectant to penetrate the structures and intensifies the effect.



Sanosil MC-A



OVERVIEW

Product type

Concentrate (dangerous goods, UN no. 3266)

Application

Circulation / continuous process, immersion treatment

Compatible filter materials

Alkali-resistant filter materials (see material compatibility)

Dosage / exposure time

0.5–2% for 10–30 minutes

pH value

14

Contains:

Potassium hydroxide Sodium hydroxide

<5% phosphonate

<5% amphoteric surfactants



Industrial water treatment plant with pre-filters (left) and membrane filters (right)

Material compatibility

Before using Sanosil MC-A, check the material properties of the installed filters. The table below provides information about the principle chemical compatibility of the most common filter materials with Sanosil MC-A*.

Caution: if the application is to be carried out in a flow-through or recirculation process, the chemical resistance of pipes, pumps and seals to alkalis must also be taken into consideration.

Abbreviation	PA	PS	PES	PVDF	PTFE	EPDM	CA	Ceramic
Name	Polyamide, nylon	Polysulfone	Polyethersulfon	Polyvinylidene fluoride	Polytetrafluoroethylene	Ethylene propylene diene (monomer) -Rubber	Cellulose acetate	Ceramic
MC-A	Conditionally Compatible (pH 1-13 for 30min at 45 °C) *	Compatible*	Compatible*	Compatible*	Compatible*	Compatible*	Incompatible*	Compatible*

* The information on the compatibility of the materials is based on generally accessible material compatibility lists of the manufacturers and industry. Sanosil AG assumes no liability with regard to material resistance.



SANOSIL
DISINFECTANTS FOR LIFE

SANOSIL AG • CH-8634 Hombrechtikon • Switzerland
E-mail: service@sanosil.com

www.sanosil.com



Instructions for use

Precautionary measures:

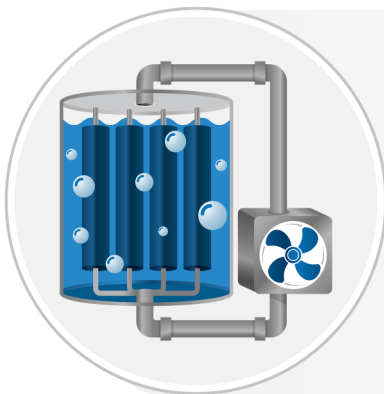
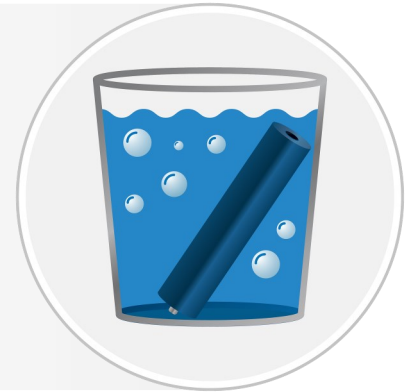
The usual precautions for handling alkalis apply: avoid contact with eyes and skin, do not ingest, do not inhale aerosols.



Immersion / insertion

The simplest method for treating filters is to immerse the dirty filter cartridges in a cleaning solution. An increased application temperature accelerates the cleaning effect. After immersion in the cleaning solution, the filter cartridge should be thoroughly (back)washed with clean water until no more alkaline residues (measured with pH measuring probe or indicator paper) can be detected.

Dosing MC-A: 0.5–2% Water
temperature: 30–50 °C
Exposure time: 10–30 minutes



Circulation / continuous process

A cleaning solution is created and ideally circulated using the delivery pump (CIP principle). We recommend sporadic backwashing in case of heavy contamination with solid dirt particles. In the process, the rinsing liquid containing substances removed from the filter is gradually discarded. After discarding the cleaning solution, rinse the system thoroughly with clean water.

Dosing MC-A: 0.5–2% Water
temperature: 30–50 °C
Exposure time: 10–30 minutes

Disinfection with Sanosil disinfectant

If the filters need to be disinfected after thorough cleaning, optimum results can be achieved with the Sanosil disinfectants S015 or Super 25 (provided that the filter materials are resistant to hydrogen peroxide).

It is important to note that Sanosil disinfectant cannot be used at the same time as MC-A. Instead, it must be used after cleaning and complete rinsing.

First clean the filters with 0.5–2% Sanosil MC-A for 10–30 minutes. After rinsing with clean water, disinfect with 0.1–0.5 % Sanosil Super 25 or 0.66–3.3% Sanosil S015 for 1–4 hours.



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.



SANOSIL
DISINFECTANTS FOR LIFE 

SANOSIL AG • CH-8634 Hombrechtikon • Switzerland
E-mail: service@sanosil.com
www.sanosil.com

