



Herli France Sarl

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[www.herli-france.com](http://www.herli-france.com)

## Herlisil Disinfectant

### EU-Registrations:

- D : DVGW W 291
- NL: Kiwa-ATA K21235
- NL- CTB toelatingsnummer 11525 N
- F : 91105 Ministère de la Santé
- UK - Secretary of State for the Environment DWI

**BAUA Registrations (Biocide)** Nr. N-30300, N-30299, N-23178, N30298, N-30297

**Properties:** Herlisil is a liquid disinfectant based on hydrogen peroxide and silver, suitable for all drinking water systems.

### Special Features:

- Distinct bacterial, viruzide, algizide, fungicide und sporizide proprieties
- Universal range of application
- Odour – and smell neutral
- pH – neutral in the application concentration
- Effective also in salt content-and sparkling water
- Effective in water temperatures till 90°C
- No toxicological effects in the application concentration
- No chemical combinations with other basic elements
- The dismantling products are innocuous and are no substrate for microorganisms.
- There is no contamination of the waste water.

### Fields of application in drinking water systems:

	Principle	Method	Recommended Dosage <sup>(1)</sup>	Contact time
<b>Wells:</b>	<u>Bulk disinfection</u>	Injection	<u>Dirty conditions:</u> 200-400 ppm <sup>(2)</sup>  Cleaned and regenerated: 100-200 ppm <sup>(2)</sup>	6 – 24 hours
<b>Reservoirs:</b>	<u>Surface disinfection:</u>	Spray Max. 2 bar (Herlimat)	1 to 3 %	20 - 30 minutes
<b>Public pipes:</b>	<u>Bulk disinfection</u>	<u>Dosage pump:</u>	<u>New pipes:</u> 75 to 100 ppm <sup>(2)</sup>  <u>Others:</u> 100 to 200 ppm <sup>(2)</sup>	6 – 24 hours <sup>(3)</sup> .
<b>Domestic installations:</b>	<u>Bulk disinfection</u>	<u>Injection</u>	100 to 200 ppm <sup>(2)</sup>	6 – 24 hours <sup>(3)</sup>



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(1) For specific bacterial contamination please contact our technical support.

(2) ppm = parts per million.

Example:  $100 \text{ ppm} = 100 \text{ mg/L} = 0,1 \text{ kg/m}^3 = 0,01 \%$

(3) High consumption of Herlisil (> 25%) indicates organic contamination.  
Flush pipes and repeat procedure.

### Application:

#### Disinfection of pipes:

The standing method simply involves leaving the Herlisil - solution, concentration  $100 \text{ mg/l} = 100 \text{ g/m}^3$ , to stand in the pipes for at least 12 ours.

The newly laid pipes are filled with water to which Herlisil is added using a proportioning pump or a mixing device via a nozzle, ventilating valve or hydrant in a constant concentration of approx.  $100 \text{ mg/l}$ .

In case of extreme contamination we recommend to increase the concentration of Herlisil.

During the disinfection process the disinfectant solution must be prevented from entering the water supply pipes. Herlisil must be added until the entire pipe system is filled with the disinfectant solution. The concentration of Herlisil can be measured using our Herlisil test strips. (Blue colouring)

#### Disinfection during pressure testing:

Disinfecting pipes during pressure testing has proved to be very effective. With this method, water containing Herlisil is pumped into the pipes the first time the system is filled. The higher pressure produced during pressure testing forces the Herlisil solution into the pores of the pipe material and into the flanges, couplings etc.

After the contact period the disinfection solution is removed completely from the system by rinsing with clean drinking water.

The verifying occurs again with our Herlisil test strips. (No blue colouring)

#### Procedure after repair work:

If fractures occur in the pipes, the pipe system should be left at a low pressure at least until it is ensured that no dirt can enter the pipes after the trench has been pumped out.

***To avoid a bring in of germs by installing of replacement parts like pumps, fittings, joints etc. we recommend after rinsing them with clean water a disinfection with the ready to use solution Herlisil S6.***

Once the fracture has been repaired, the pipes must be carefully rinsed out or disinfected, as with newly laid pipes.

While the disinfectant is being introduced into the pipes, any hydrants fitted to the pipes must be opened so that they are also disinfected.

#### Removal of water containing disinfectant:

The stated concentrations of Herlisil solution can be allowed without neutralization to enter the public sewage system or to seep into the soil.

#### Disinfection in cooling towers and air conditioning plants:

Herlisil is directly dosed into the water.

First treatment: Dosage  $50 - 100 \text{ mg/l}$  for about 20 days.

In case of extreme Biofilm presence please increase the Herlisil concentration at  $0,5\%$ .



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**Attention, not ignore the resistance of the material!**

A continuous dosage of approx... 20 mg/l follows.

We recommend to occasionally verifying the water system for legionella –attack. In case of positive results please increase the Herlisil concentration at approx. 100 mg/l for 3 to 5 days.

Simple method of measurement with the Herlisil - test strips. (blue colouring)

For introducing the disinfection solution we recommend our **Herli dosage instruments:**

- Herlimat DES Nr. 3 - Dosage box
- Mobile dosage station
- Herlimat Major
- Various dosage pumps

**Special Features:**

Herlisil is harmless to the environment, since it divides into oxygen and water. There are no harmful by-products developing.

Herlisil can be applied in a pH - range from 2 - 9. The pH- value of the treated water will not be changed.

**Storage and Durability:**

Keep container always in upright position and store it under cool temperatures.

Keep the packing tightly closed.

NOT sensitive to frost.

Best before use: 12 months.

**Attention:**

DO NOT mix Herlisil with other products.

DO NOT pour unused product back in container.

DO NOT transfer product into metal container.

At work wear suitable protective clothes.

After cleaning rinse the equipment abundantly with water.

*Our product information should advise you to the best of one's knowledge and belief. We can, however, not accept any responsibility due to incorrect application of the product.*

*This product information is not designed to replace any legally required documents. Follow directions as listed on label.*

*Always read label and material safety data sheet. Use as directed.*

02.2006