

## ALBILEX<sup>®</sup>-SUPER-des

The disinfectant ALBILEX<sup>®</sup>-SUPER-des is based on a mixture of hydrogen peroxide and special silver ions with oligodynamic and bactericidal effects.

ALBILEX<sup>®</sup>-SUPER-des is specially designed for the **disinfection of drinking-water piping systems, storage tanks and wells** but is also used in many other industries.



### Characteristics

- Strong algicidal, bactericidal and fungicidal effects
- One disinfectant for all kinds of piping materials
- Simple to use and easy to dose in all common dosing-kits
- Low dosage (starting with 100 ppm ALBILEX<sup>®</sup>-SUPER-des for piping disinfection)
- pH-neutral in dosing concentration
- Chlorine-free (no offensive smell)
- Long shelf-life (up to two years) due to decomposition and corrosion inhibitors
- Simple and eco-friendly disposal of the disinfectant solvent

## Application

Use in piping systems: ALBILEX®-SUPER-des is added directly to the water when filling the pipe section to be disinfected by means of a dosing-kit. The filling process under addition of ALBILEX®-SUPER-des is to be continued until the measured hydrogen peroxide concentration is 50 ppm at the run out. The following table shows the required dosage of ALBILEX®-SUPER-des:

**Dilution ratio ALBILEX®-SUPER-des to filling-water for different applications:**

Application area	Dosing concentration of ALBILEX®-SUPER-des	Exposure Time
Disinfection of piping-systems	100 ppm (100ml SUPER-des per 1000l water)	12-24 hrs
Disinfection of tank-surfaces	1-2% (1-2 Ltr. SUPER-des per 100l water)	1 hr
Disinfection of wells	After cleaning and regeneration: 100 - 200 ppm	6 - 24 hrs
	In case of bactericidal contamination: 200 - 400 ppm	6 - 24 hrs

Disinfection of piping-systems: In case of a reduced exposure time the dosage concentration of ALBILEX®-SUPER-des has to be increased up to 200-300 ppm (= 200-300 ml ALBILEX®-SUPER-des per 1000 litres of water). The concentration of ALBILEX®-SUPER-des (recommended: 50 ppm) is measured by means of ALBILEX®-H<sub>2</sub>O<sub>2</sub>-test-sticks (Art.-Code.: 190150). After 12 hours exposure time the hydrogen peroxide concentration should be at least 10 ppm; otherwise the injection procedure has to be repeated.

Consumption of ALBILEX®-SUPER-des per km piping length in case of a recommended dosage of 100 ppm (= 100 mg/l):

Diameter of pipe in mm (DN)	Dosage (litre per km) of ALBILEX®-SUPER-des
50	0.2
75	0.4
100	0.8
150	1.8
200	3.2
250	5.0
300	7.0
350	10.0
400	13.0
450	16.0
500	20.0

Disinfection of surfaces: ALBILEX®-SUPER-des is diluted with water according to the above table. The disinfectant is applied to the surface of the tank with a low-pressure sprayer. After an exposure of 1 hour fill tank to a level of 5-10 cm with fresh water and empty tank directly afterwards. Then the tank may be refilled with drinking water.

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Disinfection of wells: ALBILEX<sup>®</sup>-SUPER-des is diluted with water according to the above table. The disinfectant is applied to the well. After an exposure time of 6-24 hours pump disinfection solution out of the well and pass into sewerage system.

### **Ingredients**

ALBILEX<sup>®</sup>-SUPER-des is a solution of hydrogen peroxide (50% H<sub>2</sub>O<sub>2</sub>) and special silver ions.

### **Delivery Size & Item-No.**

ALBILEX<sup>®</sup>-SUPER-des is supplied in following package sizes:

1 kg-PE-cans Item-No.: 120501

10 kg-PE-cans Item-No.: 120510

30 kg-PE-cans Item-No.: 120530