

Surface disinfection

Lemon Fresh AF

Ready to use, alcoholic solution for surface disinfection

Product description

Lemon Fresh AF is a ready to use, alcoholic solution for surface disinfection. It contains quarternary ammonium compounds and is free of aldehydes and phenols. After the contact time has elapsed, treated surfaces dry quickly. Lemon Fresh AF can be applied for wipe as well as spray disinfection.

Areas of application

Lemon Fresh AF is suitable for rapid disinfection of alcohol-resistant surfaces of non-invasive, non-critical medical devices, medical equipment as well as all kinds of wipeable surfaces.

Suitable for:

- Surfaces close to patients, dental chairs, examination couches, operating tables
- Areas in medical and dental practices which are used for medical purposes
- Rapid disinfection between surgeries and procedures
- Clothes like OR shoes, OR aprons, X-ray aprons
- Alcohol-resistant surfaces of medical equipment
- Materials according to material compatibility (see page 2)

Not tested for food and veterinary areas. Not suitable for disinfection of skin and hands. Not suitable for disinfection of invasive medical devices. Do not use for disinfection of semi-critical and critical medical devices.

Further information on cleaning and disinfection of surfaces and medical devices:

Recommendation of the Commission for Hospital Hygiene and Infection Prevention at the Robert-Koch Institute (RKI) entitled „Hygiene Requirements for Cleaning and Disinfecting Surfaces“. Available online.

Application

- 1) Put on protective gloves, face mask and safety glasses prior to disinfection! Provide adequate ventilation. In case of contaminated surfaces: Remove visible contaminations with a disposable wipe soaked with disinfectant and discard the wipe.
- 2) Disinfect the surface with undiluted product:
Wipe disinfection: Apply ready to use disinfectant onto a clean, dry, disposable wipe or directly onto the surface. Wipe the surface applying mild pressure (wet wiping).
Spray disinfection: Spray disinfection may only be applied for inaccessible, twisted surfaces. Wet the surface completely with disinfectant.
- 3) Keep the surface completely moist during contact time.
- 4) After contact time has elapsed: Remove residues with a clean, dry, disposable wipe or allow to dry.

Advice for users

Application only by qualified personnel.

Report serious incidents related to this product to the manufacturer and the responsible authority.

Do not pour disinfectant that has been removed back into the original container.

Do not mix product with other chemicals.

Do not apply on acrylates. See page 2 for further information on material compatibility.

Electronic devices must be disconnected from their power supply before disinfection. Ensure that the disinfectant does not seep into electronic devices.



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Efficacy spectrum

Efficacy (ready to use product, at room temperature)	Standard	Contact time
Bacteria		
<i>S. aureus</i> , <i>E. hirae</i> , <i>P. aeruginosa</i> , <i>E. coli</i> , MRSA (dirty conditions)	EN 13727	30 s
<i>S. aureus</i> , <i>E. hirae</i> , <i>P. aeruginosa</i> , <i>E. coli</i> (dirty conditions*)	EN 13697	5 min
<i>S. aureus</i> , <i>E. hirae</i> , <i>P. aeruginosa</i> , <i>E. coli</i> (dirty conditions)	EN 17387	5 min
<i>S. aureus</i> , <i>E. hirae</i> , <i>P. aeruginosa</i> (dirty conditions)	EN 16615	1 min
<i>S. aureus</i> , <i>E. hirae</i> , <i>P. aeruginosa</i> (dirty conditions)	Standard methods VAH* ²	5 min
Mycobacteria/TB		
<i>M. terrae</i> , <i>M. avium</i> (dirty conditions)	EN 14348	1 min
Yeasts		
<i>C. albicans</i> (dirty conditions)	EN 13624	30 sec
<i>C. albicans</i> (dirty conditions)	EN 16615	1 min
<i>C. albicans</i> (dirty conditions*)	EN 13697	5 min
<i>C. albicans</i> (dirty conditions)	EN 17387	5 min
<i>C. albicans</i> (dirty conditions)	Standard methods VAH* ²	5 min
Viruses		
Enveloped viruses		
MVA Modified Vacciniavirus Ankara (dirty conditions)	EN 14476	30 sec
BVDV (dirty conditions)		
Non-enveloped viruses		
Adenovirus Typ 5 (dirty conditions)	EN 14476	5 min
Human Rotavirus (clean conditions)		5 min
MNV murine Norovirus (dirty conditions)		5 min
MNV murine Norovirus (dirty conditions)	EN 16777	5 min
Adenovirus Typ 5 (dirty conditions)		5 min

*dirty conditions according to EN 13697:2015-06 Quantitative non-porous surface test for the evaluation of bactericidal and/or fungicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas.

*² standard methods of the VAH (Association of Applied Hygiene) for surface disinfection by wiping (quantitative carrier test with mechanical action, practical conditions)

Storage conditions

Storage between 5 and 25 °C. Keep container tightly closed and in a well-ventilated place. Keep cool. Protect from sunlight. Keep away from sources of ignition. No smoking. Take precautionary measures against static discharge. Store in original container. Store in an upright position. Keep away from food, drinks and animal feeding stuffs.

See safety datasheet for further advice.

Composition

100 g ready to use solution contain:

33.66 g ethanol, 15.84 g 2-propanol, 0.05 g didecyldimethylammonium chloride 70%, perfume*³

Chemical/physical parameters

appearance: clear, colourless
density (20°C): 0.900 – 0.920
flash point (EN 22719) 22.75 +/- 0.5 °C

Material compatibility

Metal	Aluminium, stainless steel, copper, brass
Plastics	PSU, PVC, silicone
Rubber	EPDM, natural rubber
Advice	Upon compliance to the intended use and the indicated contact time, no material damage is to be expected with the above mentioned materials. Avoid contact of longer than 48 hours with linoleum flooring. Avoid contact with acrylates. May cause stress corrosion of acrylic glass. Test material compatibility for polyacrylates, polycarbonates as well as not mentioned materials in an inconspicuous place before use.

Labelling according to Regulation (EC) No 1272/2008 (CLP)

For information on labeling according to Regulation (EC) No 1272/2008 (CLP) see safety datasheet and label.

Identification, certificates

CE 0123 MD Ila

Expert opinions and further information

The efficacy of the chemical composition of the product has been assessed by independent laboratories.

For further details concerning expert opinions, informations on products and answers to specific questions contact us by e-mail (info@pliwa.de) or telephone (0049 5661 73170).

To exclude adverse effects on the skin upon unintentional contact with the product, a dermatologically survey was carried out by the company Dermatest.

The manufacturer has a manufacturing authorisation as per §13 German medicines act as well as a GMP– and an EN ISO 13485 certificate.

*³ Please note that parfum may cause allergies. Not applicable for product without perfume.



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Information for order

Single package	Item no.
1 Liter (round bottle)	10-411-2-E
1 Liter (round bottle with spout ^{*4})	10-411-1-E
5 Liter canister	10-412-E
10 Liter canister	10-413-E
1000 L IBC	10-416-E

Application aids for canisters	
Dosing pump	50006
Drainage tap	50009

^{*4} The spout facilitates a more precise pouring of the product.

