



PLIWA Lemon Fresh AF

PLIWA is a Ready to Use Alcohol Solution for Surface Disinfection

Product Description

- **PLIWA Lemon Fresh AF** is a ready-to-use alcohol solution for surface disinfection.
- The product must not be diluted by the user. It contains quarternary ammonium compound and is free of aldehydes and phenols.
- After the contact time has elapsed, treated surfaces dry quickly. PLIWA Lemon Fresh AF can be applied for wipe as well as spray disinfection.

Areas of application

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

Do not use for disinfection of semi-critical and critical medical devices.

Personal Protection

- Put on protective gloves, face mask and safety glasses prior to each disinfection.
- Provide adequate ventilation.
- Keep away from unprotected individuals.
- Avoid contact with eyes.
- Avoid breathing vapours.
- Keep away from sources of ignition.

Application

In case the surfaces are contaminated with organic material (e.g., blood, secretions, etc): Remove the visible contamination with a disposable cloth soaked with disinfectant and discard it. Please note that the disinfection does not substitute cleaning of the surface.

Wipe Disinfection:

Apply the ready to use solution to a clean, dry single use cloth or directly on to the surface. Wipe the surface applying mild pressure (wet wiping) and keep the surface completely moist during contact time.

Spray Disinfection:

Spray disinfection may only be applied for inaccessible, twisted surfaces. For spray disinfection, apply the product undiluted directly on to the surface. Ensure that the surface is completely moist and keep moist during contact time.

After the contact time has elapsed:

Remove residues with clean, dry, undyed disposable cloth or allow to dry.

Special advice

- Read the safety datasheet and technical datasheet before use.
- Do not dilute the product. Do not mix with additives or other products.
- For professional use only.
- Do not use after expiry date.
- Electronic devices must be disconnected from their power supply before disinfection. Ensure that the disinfection does not seep into electronic devices.
- Please report any incidents relating to this product to Airande and to the relevant national and/or regional authorities.

Composition

- 100 g ready to use solution contains 33.66 g ethanol, 15.84 g 2-propanol, 0.05 g didecylmethyl-ammonium chloride 70%, perfume* (not applicable for perfume-free).
(please note: perfume may cause allergies)

Characteristics

- Appearance: clear and colorless
- pH value: 5.0 - 6.0
- density (20°C): 0.900 - 0.920
- flash point (EN 22719): 22.75 + 0.5°C

Shelf Life

- The shelf life of PLIWA Lemon Fresh AF is indicated on the container/label. Use within 6 months after opening. Do not use the product after the expiry date.

Storage Conditions

- 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.
- See safety datasheet for further action.

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

For information on labelling according to Regulation (EC) No 1272/2008 (CLP) see safety data sheet and label.

Identification, certificates

Medical device class IIa / MD 0108

Certificate of efficacy issued by VAH (Association of Applied Hygiene)



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Expert Opinions and Further Information

- **PLIWA Lemon Fresh AF** has been assessed by independent laboratories. The expert opinions can be provided upon request.
- To exclude adverse effects on the skin upon unintentional contact with the product, a dermatological survey was carried out by the company, Dermatest.
- For further details concerning expert opinions, information on products, and answers to specific questions, contact us by email (info@airande.global) or telephone (+61 2 9844 5826)
- PLIWQA Hygiene GmbH has a manufacturing authorisation as per §13 of the German medicines act as well as GMP - and ISO 13485
- Airande is certified to ISO 13485.



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, poly-carbonates, as well as not mentioned materials in an inconspicuous place before use.

Related medical devices manufactured with PLIWA Lemon Fresh AF

Quick and Clean S-Wipes (ready to use, alcohol-soaked disinfection wipes for application with dispenser bucket)
70 wipes/90 wipes

Packaging and Ordering		
Unit	Units Per Carton	Product Number
1000ml cone bottle with spray head	10	AIR_10-411 (Lemon), AIR_10-511 (NO perfume)
5 Litre Canister	1	AIR_10-411-2 (Lemon), AIR_10-511-2 (NO perfume)
Application Aids For Canisters		
Dosing Pump		AIR_22-93933
Drainage Tap 5-litre		AIR_22-93916



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Antimicrobial Activity (ready to use product, at room temperature)

Standard	Strain	Conditions	Contact Time
Bactericidal			
EN 13727	<i>P. aeruginosa, S. aureus, E. hirae, E. coli, MRSA</i>	Dirty	30 sec
EN 13697	<i>P. aeruginosa, S. aureus, E. hirae, E.coli*</i>	Dirty	5 min
EN 16615	<i>P. aeruginosa, S. aureus, E. coli, and E. hirae</i>	Dirty	1 min
VAH (Standard Methods)**	<i>S. aureus, E. hirae, P. aeruginosa</i>	Dirty	5 min
Mycobacteria/TB			
EN 14348	<i>M. terrae, M. avium</i>	Dirty	1 min
Yeasts			
EN 13624	<i>C. albicans</i>	Dirty	30 sec
EN 16615	<i>C. albicans</i>	Dirty	1 min
EN 13697	<i>C. albicans*</i>	Dirty	5 min
VAH (Standard Methods)**	<i>C. albicans</i>	Dirty	5 min
Viruses			
Enveloped Viruses			
EN 14476	<i>MVA Modified Vaccinavirus Ankara</i>	Dirty	30 sec
EN 14476	<i>BVDV</i>		
Non-enveloped viruses			
EN14476	<i>Adenovirus Type 5</i>	Dirty	5 min
	<i>Human Rotavirus</i>	Clean	5 min
	<i>MNV murine Norovirus</i>	Dirty	5 min
EN 16777	<i>MNV murine Norovirus</i>	Dirty	5 min
	<i>Adenovirus Type 5</i>	Dirty	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.

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



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