



At Zuverlasse, we go beyond supplying premium hygiene and disinfection products we redefine industry standards. Our products are meticulously engineered using cutting-edge technology, ensuring the highest levels of safety, superior performance, and seamless convenience for our customers but our commitment doesn't stop at delivering high-quality solutions. As a trusted leader in hygiene and disinfection, we are driven by a deeper purpose: to promote health, safety, and operational excellence across every environment we serve. With a relentless focus on innovation and expertise, Zuverlasse is setting new benchmarks in the industry empowering businesses with solutions they can truly rely on.

KALLON ADVANCE™ ECO

Broad Spectrum Environmental Cleaner and Disinfectant

KALLON ADVANCE™
ECO is a concentrated, broad-spectrum environmental cleaner and Intermediate to High Level Disinfectant formulated with a synergistic combination of Didecyl Dimethyl Ammonium Chloride (8.7%) and n-Alkyl Dimethyl Benzyl Ammonium Chloride (8.19%). It provides broad-spectrum activity against vegetative bacteria, fungi and enveloped viruses. Enhanced with corrosion inhibitors and stabilising excipients, it provides effective cleaning and disinfection of hard, non-porous surfaces while supporting material compatibility. It is suitable for routine and terminal environmental disinfection in operation theatres, wards, laboratories, diagnostic centres and other hygiene-sensitive areas. The diluted solution can be applied by mopping or compatible fogging equipment.



Suitable for Semi-Critical
& Critical Areas



Stable and easy-to-use
liquid formulation



Broad Spectrum
Antimicrobial



Suitable for hospitals,
clinics, and laboratories





ADVANTAGES

- Broad antimicrobial potential
- Fifth-generation dual-QAC formulation: Combines DDAC 8.7% with n-alkyl dimethyl benzyl ammonium chloride 8.19%.
- Suitable for environmental disinfection: Can be used on compatible hard, non-porous floors, walls, worktops and external surfaces of non-critical medical equipment.
- Cleaning properties: QACs have surfactant properties that assist in loosening and removing routine surface contamination.
- Generally good material compatibility: Usually less corrosive to metals than chlorine-based disinfectants; the formulation also contains corrosion inhibitors.
- Non-flammable: Does not present the same fire risk as alcohol-based surface disinfectants.
- Suitable for routine hospital use: Appropriate for general wards, OPDs, examination rooms, diagnostic areas, corridors and other compatible clinical environments.
- Useful on high-touch surfaces: May be applied by wiping to compatible bed frames, door handles, trolleys and worktops.
- No bleaching effect: Generally does not discolour fabrics or surfaces in the same way as strong chlorine solutions, although compatibility should still be checked.

FEW ORGANISMS HIGHLY EFFECTIVE AGAINST KALLON ADVANCE

VEGETATIVE BACTERIA—GENERALLY SUSCEPTIBLE

1. GRAM-POSITIVE BACTERIA

Staphylococcus aureus, Methicillin-sensitive *S. aureus*—MSSA, Methicillin-resistant *S. aureus*—MRSA, where specifically validated, Enterococcus hirae, Enterococcus faecalis, Streptococcus species, Listeria monocytogenes, Corynebacterium species

2. GRAM-NEGATIVE BACTERIA

Escherichia coli, Klebsiella pneumoniae, Salmonella enterica, Proteus mirabilis, Serratia marcescens, Acinetobacter baumannii, Pseudomonas aeruginosa

MYCOBACTERIA

1. MYCOBACTERIUM TERRAE

Used to support a tuberculocidal claim.

2. Mycobacterium avium

Tested together with *M. terrae* for a mycobactericidal claim.

SPORES

1. Bacillus subtilis
2. Bacillus cereus

VIRUSES

QAC formulations are most reliable against enveloped viruses, because they disrupt the lipid envelope.

1. GENERALLY SUSCEPTIBLE ENVELOPED VIRUSES

Influenza A and B viruses, SARS-CoV-2 and other coronaviruses, Respiratory syncytial virus—RSV, Human immunodeficiency virus—HIV, Hepatitis B virus—HBV, Hepatitis C virus—HCV, Herpes simplex viruses—HSV-1 and HSV-2, Vaccinia virus, Ebola virus, Human parainfluenza viruses

YEASTS AND FUNGI

1. GENERALLY SUSCEPTIBLE YEASTS

Candida albicans, Other susceptible Candida species, Cryptococcus species, Saccharomyces cerevisiae.

2. FUNGI REQUIRING STRONGER VALIDATION OR LONGER CONTACT

Aspergillus brasiliensis, Other Aspergillus species, Trichophyton species, Microsporum species



APPLICATION AREAS

Operating-theatre floors and walls, Preoperative and postoperative areas, ICU and HDU, environmental surfaces, NICU and PICU environmental surfaces, Labour and delivery rooms, Dialysis-unit floors and external surfaces, Burn-unit environmental surfaces, Isolation rooms, Transplant-unit environmental surfaces, CSSD decontamination-area floors, Emergency resuscitation rooms, Procedure-room floors, Cath-lab environmental surfaces, Microbiology laboratory floors and work surfaces, General medical and surgical wards, OPD consultation and examination rooms, Dressing and wound-care rooms, Minor-procedure rooms, Endoscopy procedure and recovery rooms, Dental treatment rooms, Ultrasound and echocardiography rooms, X-ray, CT and MRI rooms, Physiotherapy and rehabilitation areas, Phlebotomy and sample-collection rooms, General diagnostic laboratories, Nurses' stations, Patient rooms and bed areas, Clinical corridors, Discharge and terminal-cleaning areas.

EN CLAIMS

EN-13727:2012+A2:2015 (E) :Bactericidal efficacy.

EN-14476:2013+A2:2019 (E) :Virucidal efficacy.

EN-13624:2021(E) :Fungicidal & Yeasticidal.

EN-13704: Sporicidal activity.

EN-14348:2005 (E):Tuberculocidal/mycobactericidal activity.

MATERIAL COMPATIBILITY

KALLON ADVANCE™_{ECO} is compatible to the following Floors:

- Epoxy resin floors
- Vitrified tiles
- Ceramic tiles
- Homogeneous vinyl floors
- PVC Sheets
- Kota Stone
- Granite floor
- Marble

Compatibility Method: The test item was evaluated for 14 days (± 2 h) against multiple test specimens. Visual and tactile inspections confirmed that the following specimens showed no significant changes after exposure to **KALLON ADVANCE™_{ECO}**, in accordance with the contact test described in ISO 21530:2004.



DIRECTION OF USAGE

DIRECTION OF FOGGING

- Perform through manual cleaning and mopping before fogging. Fogging must not replace physical cleaning.
- Remove all patients, healthcare workers, attendants and visitors.
- Remove or protect medicines, food, sterile supplies and sensitive equipment.
- Close the room and restrict entry. Display a warning notice at the entrance.
- Use only a compatible, validated fogging machine operated by trained personnel.
- Follow the fogger manufacturer's validated room-volume dose, droplet size and operating instructions.
- Allow a stated contact period of 30 minutes, subject to the validated protocol.
- Permit re-entry only after the approved aeration time and occupational-safety requirements have been satisfied.

DIRECTION OF MOPPING

- Wear suitable gloves and any additional PPE specified in the product SDS.
- Remove waste, dust and loose debris from the area.
- Clean visible blood, body fluids and heavy organic matter before applying the disinfectant.
- Measure the required quantity of Kallon Advance™_{ECO} accurately and add it to clean water.
- Prepare only the amount required for the cleaning session. Label the prepared container.
- Apply the solution with a clean, colour-coded wet mop.
- Mop from cleaner areas towards dirtier areas and from the farthest point towards the exit.
- Ensure complete wetting of the floor or environmental surface.
- Keep the surface visibly wet for the contact time stated.
- Do not wipe the surface dry before completing the required contact time.
- Replace the solution if it becomes visibly dirty. Do not return used solution to the original container.
- Clean and dry reusable mop heads after use or discard single-use mop heads appropriately.
- Prepare a fresh working solution daily or more frequently according to hospital infection-control policy.



RECOMMENDED DILUTION

For Mopping Disinfection in Semi-Critical Areas

0.15% (Clean) = 1.5 ml per 1 litre

0.25% (Dirty) = 2.5 ml per 1 litre

For Mopping Disinfection in Critical Areas

0.25% (Clean) = 2.5 ml per 1 litre

0.50% -1.0% (Dirty) = 5 ml - 10 ml per 1 litre

For Fogging in Critical Areas

Contact time 15 to 30 Minutes

0.25% (Clean) = 2.5 ml per 1 litre

0.50% (Dirty) = 5 ml per 1 litre

COMPOSITION

Didecyl Dimethyl Ammonium
Chloride: 8.7%,
n-alkyl dimethyl benzyl ammonium
chloride: 8.19%
Inactive Ingredients 83.11%
With Corrosion Inhibitors

PACK SIZE

100 ml (SKU 5402E)

500 ml (SKU 5401E)

1 Ltr (SKU 5400E)

2 Ltr (SKU 5403E)

5 Ltr (SKU 5404E)

