

Lonzagard® HDS Foam
Antimicrobial Hand Disinfectant Soap



Benefits

- High performance under heavy soiling conditions. Suitable for use in Institutional & Industrial applications including Food & Beverage and Hospitality, and also in Healthcare.
- Proven spectrum anti-microbial efficacy; bacteria, yeast and enveloped viruses
- Passes requirements of EN 1499 at 30 seconds contact time at 1.5 ml
- Passes requirements of EN 14476 at 30 seconds contact time
- Formulated at the natural pH of the skin
- Not classified as hazardous under CLP [EU(No) 1272/2008]
- Fragrance and dye free
- LSI patent pending

Technical User Information & Regulatory Information

A effective, fragrance-free and dye-free antimicrobial foam hand disinfectant soap, which passes the requirements of EN 1499 with a 30-second contact time and effective against enveloped viruses according to EN 14476. Lonzagard® HDS Foam is formulated at the natural pH of the skin leaving a gentle and clean feel on the hands, whilst rinsing off easily helping to save water. For use in self-foaming dispensers only.

LSI intends to notify and authorise the product, in the final form, under the Biocidal Products Regulation (BPR, EU (No) 528/2012) for a defined number of EU Member States. Contact LSI for the details of the latest registration position.

Ingredients

Actives	
Didecyl dimethyl ammonium chloride (DDAC), [CAS No. 7173-51-5]	Approx. 0.55%
2-Phenoxyethanol [CAS-No. 122-99-6]	Approx. 0.90 %
Inerts	
Water, nonionic surfactant, pH adjusters, humectant and chelating agent	Approx. 98.55%

Directions for Use

1. Pre-wet hands,
2. Apply 1.5 to 3.0 ml of liquid dispensed as foam.
3. Rub in well across all parts of the hands for 30 seconds.
4. Rinse hands thoroughly with clean running water.
5. Dry well.

For heavily soiled hands, repeat above process.

Detailed Efficacy Data

Introduction

In order to support a product through the Biocidal Product Regulation (BPR, EU (No) 528/2012), relevant European test data must be submitted as part of the dossier. The EN 14885 Standard (Chemical disinfectants and antiseptics-application of European Standard for chemical disinfectants and antiseptics) specifies the laboratory methods required to substantiate the claim set for the chemical disinfectant. European Norm (EN) Test Protocols and their associated pass criteria are outlined for different application areas e.g. “medical”, “veterinary”, “food”, “industrial and institutional” and “domestic” areas.

Each EN test specifies a limited range of microbial species that must be used. These have been chosen as representative organisms to substantiate broader product claims (e.g. bactericide, yeasticide, fungicide, sporicide, virucide and mycobactericide) taking into account their practical relevance for each of the application areas. In addition, different soil (or interfering substances) are specified depending on the end application. This supports the efficacy claimed by the product and its suitability for the specific area of use.

All of the data presented for Lonzagard® HDS Foam have been generated using standard EN Test Norms. Not all claims may be valid in all registered member states.

Antimicrobial Performance

Activity against bacteria and yeast

Claim	Test Norm	Contact Time	Conditions	Log Reduction	Comment
Bactericidal	EN1499:2013	30 seconds	1.5 ml	Pass	Tested against <i>Escherichia coli</i> .
Bactericidal	EN13727:2012 + A2:2015	30 seconds	Medical dirty soiling conditions 3.0g/l BSA + 3.0g/l Erythrocytes	>3	Tested against <i>Staphylococcus aureus</i> , <i>Escherichia coli</i> , <i>Enterococcus hirae</i> , <i>Pseudomonas aeruginosa</i> ¹
Yeasticidal	EN13624:2013	30 seconds	Medical dirty soiling conditions 3.0g/l BSA + 3.0g/l Erythrocytes	>2	Tested against <i>Candida albicans</i> .

¹ bactericidal claim based upon the EN13727:2012 + A2:2015 norm includes all bacteria (vegetative) including the food spoilage organisms *Campylobacter jejuni*, *Listeria monocytogenes* and *Salmonella enterica*.

Activity against enveloped viruses

Claim	Test Norm	Contact Time	Conditions	Log Reduction	Comment
Virucidal against Enveloped Viruses	EN14476:2013 + A1:2015	30 seconds	Medical dirty soiling conditions 3.0g/l BSA + 3.0g/l Erythrocytes	>4	Tested against <i>Modified Vaccinia Ankara</i> (MVA)

² products demonstrating activity against MVA viruses are deemed to be effective against most known envelope viruses including Influenza A (H1N1) and coronavirus species.

Product Information

Material Compatibility

Conclusions: Compatible with all standard materials (based on LSI internal tests)

Phys-Chem Properties

Property	Value
Appearance	Clear Liquid
Solubility	Completely miscible in water
Odour	Characteristic, Aromatic
Density at 20oC	1.01 g/cm ³
Viscosity	<10 cP
pH	5.5
Shelf Life	2 years

Available Packs

Container	SKU	Size
IBC	250399	1000kg
Drums	250396	200kg

Classification & labelling, Safety, First Aid and Storage & Disposal

See Safety Datasheet.

Regulatory Status

Contact LSI for details of the latest registration position.

Patents

Patent pending.

EMEA Region

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