

ChemEco Alcohol Free HAND RUB

A powerful antibacterial and virucidal hand sanitiser with over 2 hours of proven residual action



TECHNICAL DATA SHEET

Description

The product removes 99.9% of enveloped viruses when tested against European Standard EN14476. The formula is alcohol-free, and is specifically designed for regular use without the skin drying, chaffing and irritation associated with regular use of alcohol based hand rubs.

Recommended usage

ChemEco Hand Rub can be used wherever the highest standards of hand hygiene are required and is suitable for use in healthcare, food processing environments, retail, and all other workplaces where there is a risk of cross contamination. The product has been tested and is effective against a number of commonly occurring bacteria, yeast and viruses that are known to be highly transmissible.

Features and benefits

Provides longer lasting protection than alcohol sanitisers. Does not evaporate on skin, and effective within 60 seconds

- Kills up to 99.999% of bacteria when tested to EN13727
- Kills up to 99.99% of yeasts when tested to EN13624
- Kills up to 99.9% of enveloped viruses when tested to EN14476

Characteristics

Active Ingredient	DDAC (didecyl dimethyl ammonium chloride)
CAS Number	7173-51-5
Colour	Colourless, clear
Odour	Apple fragrance
Oxidising	Non-oxidising
Solubility in Water	Soluble
Relative Density	1.02g/cm ³ (20°C)
pH	7-9

Active ingredient

The active ingredient has a broad antimicrobial efficacy against gram-positive and gram-negative bacteria, yeast, and enveloped viruses. High antimicrobial efficacy is maintained even at low temperatures and in the presence of organic soil, such as blood and protein.

Instructions for use

Apply a small amount to the hands and rub in well. Allow hands to air dry in order to maintain residual protection. Where water is available wash hands thoroughly with soap and dry before applying Hand Rub. Application to dry, cracked or cut skin should be avoided.

Regulatory compliance

ChemEco Hand Rub is governed by the requirements of the Biocidal Product Directive (EU Regulation 98/8/EC). Approved for sale in UK, and Republic of Ireland with approval number PCS 99687. The product is labelled in accordance with the Biocidal Product Directive.

This product has been tested to medical standards and found to provide equivalent protection to alcohol hand gels when tested against European Standard EN1500, and removes 99.999% of bacteria when tested against EN13727

Proven to be biocidally active on skin for up to 8 hours. After 2 hours 99.99% of bacteria were killed

BIOCIDAL EFFICACY

EN13727:2012 +A2:2015 Quantitative suspension test for the evaluation of bactericidal activity in the medical area

Test Objective

- Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity in the medical area.
- Quantitative microbiological evaluation to determine the antimicrobial efficacy of chemical disinfectants and antiseptics in accordance with the European standard.
- Evaluates the efficacy of a hygienic hand rub by measuring the number of viable bacteria remaining on the fingertips after contamination and hand rub exposure.
- 60% propan-2-ol was used as the reference sample in our test. The test product was not inferior to the reference product and hence has met the requirements of EN 1500.

Target Organism	Contact Time	Test Reference	Log Reduction	Test
Enterococcus hirae	60 seconds	IC121-8500-2004/1 Clean conditions	99.999% > 5 log reduction	EN13727
Escherichia coli K12				
Pseudomonas aeruginosa				
Staphylococcus aureus				
Escherichia coli K12	30 seconds	Clean conditions	99.9% > 3 log reduction	EN1500

EN 14476 – Quantitative suspension test for virucidal activity

ChemEco Alcohol Free Hand Rub has been tested against European Standard EN14476 and found to remove 99.9% of murine coronavirus within 60 seconds. Murine coronavirus is a laboratory surrogate for enveloped viruses including disease causing coronaviridae such as those responsible for MERS and COVID-19.

Target Organism	Contact Time	Log Reduction
Murine coronavirus	60 seconds	99.9%

PACKAGING INFORMATION

Product Code	CE012B	Barcode outer case	5060668690499
Inner case contents	12x100ml	Case per pallet	400
Carton dimensions (L x W x H) (cm)	18 x 18 x 19	Case per layer	100
Net weight (kg)	2kg	Layers per pallet	4