



Virusan[®] AS

A High Performance Anti-microbial Scrub Technical Information

Description & Application:

Virusan AS is a theatre grade biocidal hand cleaner that is specially formulated for use as a biocidal scrub cleanser for medical, healthcare and Veterinary uses.

The aqueous based formulation, containing 4% w/w Chlorhexidine Gluconate, a broad-spectrum antimicrobial that exerts its properties by disrupting microbial cell membranes, is highly effective as a disinfectant and terminal sanitizer against bacteria, fungi, yeasts, moulds and viruses. The product is designed to eliminate the risk of cross-infection from hand transfer of these organisms.

Primary features attributable to Virusan AS are:

- Suitable for disinfection and sanitizing of hands and skin;
- Water based formulation;
- Highly effective over a wide range of viruses, bacteria, fungi, yeasts and moulds;
- Non-selective;
- Contains high quality skin care moisturisers;
- Versatile, simple to use and cost effective.

Applications

Virusan AS is ideal for removing biohazards in medical, healthcare and Veterinary applications, where the risk of cross-infection needs to be eliminated.

Virusan AS is suitable for disinfection and sanitizing of hands and skin in:

- Surgical theatres;
- Antiseptic hand wash on medical wards;
- Food manufacturing operatives;
- Areas where high hygiene standards are needed.

Compatibility

Virusan AS is compatible with a wide range of rubbers, plastics and fabric materials.

Virusan AS is not compatible with soap and other anionic agents.

Hypochlorite based bleach may induce the formation of brown stains in fabrics that have previously been in contact with preparations containing Chlorhexidine.



**Infection
Controlled**

Health and Safety

Virusan AS is not flammable, is formulated for direct skin contact applications and is fully biodegradable. Irritation effects arising from reaction to Chlorhexidine can occasionally occur and a generalised allergic reaction has also been reported but cases are extremely rare.

Usage where contact with the meninges may occur should be avoided. Any contact of Virusan AS with eyes should be avoided and should be immediately and thoroughly rinsed away with water.

See Safety Data Sheets for details.

Typical Properties

Appearance	Pink-red coloured viscous liquid
Odour	Slight odour
pH,	6.5 units (neat)
Density, g/cm ³ @ 20 °C	1.01 (neat)
Solubility in water	Complete
Flash Point (Abel closed cup)	None

Shelf Life: 5 years in unopened original containers when stored between 5 °C and 25 °C out of direct sunlight.

Virusan AS is a skin cleaner containing Chlorhexidine Gluconate that has been shown to be an effective antimicrobial agent. Studies demonstrated a significant, or at least a 2 log reduction in colony-forming units on hand surfaces washed with a 4 percent Chlorhexidine Gluconate preparation compared with a control.

Chlorhexidine has broad-spectrum activity; it exhibits varying degrees of activity against different types of organisms. Studies have shown that Chlorhexidine is more effective against gram-positive bacteria than it is against gram-negative bacteria; is minimally active against tubercle bacillus; is somewhat effective against fungi; demonstrates in vitro activity against HIV, herpes simplex virus, cytomegalovirus and influenza; *Bacillus atrophaeus* spore (a surrogate of *B. anthracis*) contamination.

Furthermore, antibiotic resistance may be predictive of a decreased susceptibility of microbes to Chlorhexidine.

The antimicrobial effect of alcohol-based antiseptics is more rapid than that of Chlorhexidine; however, a comparable reduction in flora is achieved after 30 seconds of hand washing.

Chlorhexidine binds strongly to skin, mucosa and other tissues, resulting in a persistent antimicrobial effect. This binding affinity also results in poor percutaneous and oral absorption.

The activity of Chlorhexidine is reduced in the presence of organic soil and anionic compounds (including anionic surfactants commonly used in soaps, toothpastes and detergents)

The safety of Chlorhexidine Gluconate has been demonstrated for cleansing the skin of adults and infants, with a low potential for eliciting dermal reactions. Chlorhexidine Gluconate has been widely used in dental mouth wash, skin cleansing, and also in wound washes. Contact with eyes at strengths about 2% may cause irritation and lead to permanent damage if not immediately relieved by irrigation, although at 0.02% level Chlorhexidine Gluconate has been recommended for use in the treatment of keratitis. Its use as a scrub on persons under two months of age is not advised.

Virusan AS will be effective against bacteria, fungi, yeasts, moulds and lipophilic viruses.

Directions for Use

Virusan AS is supplied as a ready to use viscous liquid that should be used as supplied.
Virusan AS is for external use only.

Application:

Cleaning and Disinfection:

Wet the hands and forearms and then apply about 5 ml of Virusan AS and briskly wash for one minute, taking care to clean fingernails with a brush or scraper. Rinse, apply a further 5 ml of Virusan AS and continue washing for a further 2 minutes.
Rinse thoroughly and dry.

Ward Cleaning and Disinfection:

Clean and disinfect hands by wetting hands and forearms with water then applying about 5 ml of Virusan AS and wash for about 1 minute.
Rinse thoroughly with clean water and dry.

Note: There are no special application requirements for either elderly patients or children. Normal adult application procedures, as stated above, should be sufficient.

CONTACT DETAILS:

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For any further information, please contact your distributor or Amity.

Packaging Details:

Virusan AS is available in the following packaging.

- 500 ml plastic containers
- 1L container
- 5L containers