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SANI GLOVE LS1862

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Viricidal Barrier Coat

Conforms to World Health Organisation Formulation guidelines

SANI GLOVE LS1862 is a sanitising liquid gel for hands manufactured to WHO formulation 1 guidelines. It is fortified with hydrogen peroxide for increased viricidal effectiveness. It is faster and more convenient to use than hand washing. The application time of 5 – 10 seconds is quick so people will use it more often than hand washing. It is self drying does not require rinsing it eliminates the process of drying hands. The gel incorporates humectants to counteract the skin drying effect of alcohol and skin conditioning agents to give a smooth feel to the skin. It is effective against a wide range of micro organisms. It leaves no harmful residues and is suitable for use within the food and allied industries. Its disinfecting action reduces the possibility of cross infection and provides protection of cuts and abrasions. Its near neutral pH is friendly to skin. This factor is of particular importance when rigorous and frequent sanitising is demanded by stringent hygiene and quality control programs.

FEATURES

1. To clean and sanitise hands in one action.
2. It is skin friendly by incorporating a humectant.
3. **SANI GLOVE LS1862** is a viscous liquid which does not run off hands easily.
4. To be readily biodegradable, non-hazardous and non-toxic.
5. To be effective against a wide range of pathogenic micro-organisms.

CHEMICAL AND PHYSICAL PROPERTIES

Appearance	:	Clear moderately viscous liquid
Flash Point	:	24°C
pH (undiluted)	:	7 - 9
Odour:	:	Low
Specific Gravity	:	0.87

DIRECTIONS FOR USE

Apply 1 – 2 ml and rub in well. Rinsing is not required. Wiping is optional.

SANI GLOVE LS1862 is suitable for use through pump type dispensers.

Efficacy

Bacteria: **SANI GLOVE LS1862** is effective against both gram negative and gram positive bacteria. Results against Staphylococcus aureus and Escherichia coli on skin are shown below.

Organism	% Kill	
	30 seconds	60 seconds
Staphyococcus Aureus ATCC 6538	99.99	99.99
Escherichia coli ATCC 11229	99.99	99.99

Viricidal Activity: The formulation was tested in comparison with a 70% ethanol hand sanitiser formulation.

The clean fingerpads of test subjects were treated with the 2 formulations and allowed to dry for 4 hours. Rhinovirus 39 (the cause of the common cold) at a titer of 1.3×10^3 pfu (plaque forming units) was applied to fingerpads. The virus was dried on the fingerpads for 10 minutes, then the fingerpads were rinsed with a viral recovery broth containing 75% EBSS and 25% FBS with 1. times. antibiotics. The sample was diluted serially in viral recovery broth and plated onto H1-HeLa cells. Titters were assayed as per the plaque assay. Complete inactivation of Rhinovirus 39, i.e., a greater than 3 log reduction, was achieved with the SANI GLOVE LS1862 formulation while the conventional 70% ethanol formulation was ineffective.

Formulation	Viral Log 10 reduction	% hands with virus
SANI GLOVE LS1862	2	0
70% Ethanol formulation	<0.5	100