

ADSAN LN906

Food Grade, Non-Rinsing Disinfectant and Sanitiser/Cleaner

ADSAN LN906 is a liquid detergent sanitiser designed for use in the food industry where it may be desired to sanitise non-porous surfaces without a final rinse with potable water.

ADSAN LN906 will assist the control of a broad spectrum of micro-organisms including coliform and thermophilic bacteria.

ADSAN LN906 can be used **without rinsing when used as directed**.

ADSAN LN906 finds applications in the food processing and allied industries.

ADSAN LN906 can be applied by foamer or immersion.

ADSAN LN906 is DESIGNED:

1. To be a broad spectrum, sanitising disinfectant, effective against Gram positive and Gram negative bacteria, acid fast Bacilli, fungi and moulds.
2. To maintain its high-performance characteristics when used in hot or cold water.
3. To maintain its high-performance characteristics when used in hard water.
4. To be corrosion safe on all metal surfaces for short contact times.
5. To maintain its high-performance characteristics even on exposure to light and heat.
6. So that in use solutions are pleasant to use and do not irritate users.
7. To contain only biodegradable ingredients.

CHEMICAL AND PHYSICAL PROPERTIES

Appearance:	Clear colourless liquid
Flash Point:	Non-flammable
Odour:	Almost none
Specific Gravity:	1.0
pH (1% solution):	6 - 8
Foam Characteristics:	Good

DIRECTIONS FOR USE

ADSAN LN906 can be used in immersion, C.I.P. operations or spray rinsing.

Clean food contacting surfaces thoroughly before sanitising. Any surfaces holding liquid should be drained and any collection of liquid removed before contact with food.

Diluted solutions should be used within a week.

Application Method	Concentration	Time	Temperature
Immersion	4 ml/Lt	10 min.	20-50°C
Spray Rinsing	8 ml/Lt	2 min.	Ambient
C.I.P. Cleaning	4 ml/Lt	15-20 min.	50-80°C
No rinse sanitising	2 ml/Lt	n/a	Ambient
Foot Baths	10ml/Lt	n/a	Ambient

ADSAN LN906 is recommended for use on all metal and hard synthetic and most painted surfaces in institutional, commercial and industrial situations or wherever conditions indicate that the surfaces should be physically and biologically clean.

General Floor Cleaning - Mopping and Swabbing

Concentration:	1:50 with water in dirty conditions 1:150 with water in clean conditions
Temperature	Hot or cold

Apply **ADSAN LN906** solution to the floor with a mop. Spread and agitate the solution. Pick up dirty solution with a mop and wring out in a wringer bucket. Rinsing is not normally necessary.

Lightly soiled, polished floors may be cleaned by damp mopping.

Hospital Floor Cleaning and Disinfection

Concentration:	1:50 with water
Temperature	Hot or cold

Flood floor with **ADSAN LN906** solution and allow several minutes contact time. Agitate solution if required, then use a wet vacuum pick-up to lift the dirty solution. Rinsing is not normally necessary.

Manual Washing of Surfaces and Equipment

Concentration:	1:50 with water in dirty conditions 1:150 with water in clean conditions
Temperature	Hot or cold

SAFETY PRECAUTIONS

No special precautions are required when handling in use dilutions.

The use of rubber gloves and safety glasses is recommended when handling concentrated (neat) solutions.

MICROBIOLOGICAL EFFICACY

ADSAN LN906 will pass the TGA tests at the following levels:

Hospital Dirty (Option A)	1.75% v/v
Hospital Clean (Option B)	0.25% v/v
Commercial (Option C)	0.2% v/v

Bacteriostatic and Fungistatic Activity

Bacteriostatic Activity: This was tested by adding varying concentrations of **ADSAN LN906** to “Oxoid” No 2 nutrient broth and inoculating the broth with 1 ml of a 24 hour broth culture of the test organism. Similar tests were carried out with yeasts using “Oxoid” malt extract broth. After incubation at the optimum growth temperature of the organism for 48 hours the minimum concentration of the disinfectant preventing growth was recorded.

Fungistatic Activity: This was tested by adding varying concentrations of **ADSAN LN906** to “Oxoid” malt extract agar, which was then inoculated with the test fungus. After incubation at 25°C for 5 days the minimum concentration of the disinfectant preventing growth was recorded.

Minimum Inhibitory Concentrations

ADSAN LN906 is effective at low concentrations against a wide range of bacteria. Some examples of these are:

Organism	Concentration of ADSAN LN906 ppm
<i>Pseudomonas aeruginosa</i>	500
<i>Pseudomonas putida</i>	125
<i>Escherichia coli</i>	63
<i>Enterobacter cloasae</i>	75
<i>Staphylococcus aureus</i>	13
<i>Bacillus subtilis</i>	25
<i>Proteus vulgaris</i>	1875
<i>Streptococcus lactis</i>	63
<i>Streptococcus faecalis</i>	38
<i>Aureobasidium pulluans</i>	63
<i>Aspergillus niger</i>	188
<i>Alternaria alternata</i>	63
<i>Chaetomium globosum</i>	63
<i>Cladosporium cladosporioides</i>	63
<i>Saccharomyces cerevisiae (turbidans)</i>	63
<i>Saccharomyces cerevisiae (ellipsoideus)</i>	63
<i>Saccharomyces cerevisiae (pastorianus)</i>	125
<i>Rhodotorula rubra</i>	63
<i>Endomycopsis albicans</i>	125