

ADSAN LN878

Food Grade, Non Rinsing Disinfectant and Sanitiser/Cleaner

ADSAN LN878 is a concentrated detergent sanitiser for use in the food industry for sanitising non porous surfaces without a final rinse with potable water. It may also be used on soft surfaces such as textiles.

ADSAN LN878 will assist the control of a broad spectrum of micro-organisms including gram positive and gram-negative bacteria, yeasts, moulds, fungi, algae and viruses. It is particularly useful in the food industry where it may be used to clean and sanitise non-porous food contact surfaces such as benches, equipment and utensils. It is unperfumed so as not to taint foodstuffs. It helps control moulds and odours.

ADSAN LN878 can be used **without rinsing when used at concentrations as directed.**

ADSAN LN878 finds applications in the food processing and allied industries. **ADSAN LN878** can be applied by foamer or immersion.

ADSAN LN878 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 when used as directed.
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:	6 - 8
Foam Characteristics:	Moderate

DIRECTIONS FOR USE

ADSAN LN878 can be used in immersion, C.I.P. operations, fogging or spray rinsing.

Clean food contacting surfaces thoroughly before sanitising. Any surfaces holding liquid must 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	8 ml/L	10 min.	20-50°C
Spray Rinsing	16 ml/L	2 min.	Ambient
C.I.P. Cleaning	8 ml/L	2-20 min.	50-80°C
Veggie Rinse	4 ml/L	1 – 5 min.	Ambient
No rinse sanitising	4 ml/L	n.a.	Ambient
Foot Baths	20ml/L	n.a.	Ambient
Laundry – final rinse	6 ml/Lt	3 – 5 min	Ambient

ADSAN LN878 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 must be physically and biologically clean.

General Use

Cleaning Concentration: Hot or cold	1:25 with water in dirty conditions
Sterilising Clean Surfaces	2 ml/ Litre
Rinse Sterilisation (e.g. bottle washers)	2 ml/ 20 Litres
Fogging	15 ml/ Litre

Floors: Flood the floor with **ADSAN LN878** solution to the floor with a mop and allow several minutes contact time. Spread and agitate the solution. Pick up dirty solution with a mop and wring out in a wringer bucket. Rinsing is not normally necessary.

MICROBIOLOGICAL EFFICACY

ADSAN LN878 will pass the TGA tests at the following levels:

Hospital Clean (Option A)	0.14%
Hospital Dirty (Option B)	0.8%
Commercial (Option C)	0.08%

Bacteriostatic and Fungistatic Activity

Bacteriostatic Activity: This was tested by adding varying concentrations of **ADSAN LN878** 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 LN878** 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 LN878 is effective at low concentrations against a wide range of bacteria. Some examples of these are:

Organism	Concentration of ADSAN LN878 ppm
<i>Pseudomonas aeruginosa</i>	1000
<i>Pseudomonas putida</i>	250
<i>Escherichia coli</i>	125
<i>Enterobacter cloasae</i>	150
<i>Staphylococcus aureus</i>	52
<i>Bacillus subtilis</i>	50
<i>Proteus vulgaris</i>	4000
<i>Streptococcus lactis</i>	125
<i>Streptococcus faecalis</i>	152
<i>Aureobasidium pulluans</i>	152
<i>Aspergillus niger</i>	400
<i>Alternaria alternata</i>	252
<i>Chaetomium globosum</i>	252
<i>Cladosporium cladosporioides</i>	252
<i>Saccharomyces cerevisiae (turbidans)</i>	252
<i>Saccharomyces cerevisiae (ellipsoideus)</i>	252
<i>Saccharomyces cerevisiae (pastorianus)</i>	500
<i>Rhodotorula rubra</i>	125
<i>Endomycopsis albicans</i>	252