

# Formula 333

## Disinfectant Cleaner

Data  
Sheet

### Suggested Uses

Formula 333 is an effective quaternary bactericide having excellent hard water tolerance. It is useful as a disinfectant, sanitizer and deodorizer.

Specifically formulated for hospitals, nursing homes, food processing plants, schools and other institutions where good housekeeping is of prime importance in controlling hazard of cross contamination.

Formula 333 deodorizes those areas which are generally hard to keep fresh smelling such as garbage storage areas, empty garbage bins and cans, toilet bowls and any other areas which are prone to odours caused by micro organisms.

### Salient Features

Superior microbial control in hard water.

Use concentrations are essentially colourless and odourless.

Provides algae control in water systems.

Effective disinfection of hard surfaces.

Useful for sanitizing and odour control.

At use dilution, non-corrosive to most plastics, natural rubber and stainless steel.

Effectively reduces surface tension of aqueous systems and acts as a wetting agent.

**Directions:** Read label before using.

**Formula 333 is available in 4 litre, 20 litre, 205 litre containers.**

- For use in hospitals and food processing areas.
- Bactericide
- Fungicide
- Malodour conteractant
- Full range cleaning power on all washable surfaces.

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Data Sheet

Formula 333 when diluted at the rate of 16 ml per litre of water is an effective disinfectant against the organisms *Pseudomonas aeruginosa* and meets all the requirements for hospital use.

### Disinfection

At 8 ml per litre of water dilution, Formula 333 exhibits effective disinfectant activity against the organisms: *Salmonella choleraesuis* and *Staphylococcus aureus*. At this dilution level Formula 333 is also fungicidal against the Pathogenic fungi *Trichophyton Mentagrophytes*.

### Virucidal Activity

When used on environmental inanimate hard surfaces at 8 ml per litre of water exhibits effective virucidal activity against influenza A-2 Asian (representative of the common flu virus). Herpes Simplex (causative agent for fever blisters and mononucleosis). Adeno virus type 2 (causative agent of upper respiratory infections, and Vaccina virus (representative virus of the pox virus group).

**Efficacy tests have demonstrated that formula 333 is an effective bactericide, fungicide, and virucide in the presence of organic soil (5% blood serum).**

n - Alkyl (5% C12, 60% C14, 30% C16, 5% C18)  
Dimethyl benzyl ammonium chlorides 2.25%

n - Alkyl (60% C12, 30% C14)  
Dimethyl ethylbenzyl ammonium chlorides 2.25%

Pest Control Products act registration number: 21682  
DIN: 01909657

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**Formula 333's Quats have been proven to be effective against a large number of Pathogens:**

### Bacteria:

#### Gram Positive

Citobacter freundii	Listeria monocytophaga	Staphylococcus citreus
Citrobacter diversus	Myxobacteria spp.	Staphylococcus epidermis
Corynebacterium diphtheriae	Staphylococcus albus	Streptococcus pyogenes
Diplococcus pneumonia	Staphylococcus aureus	Streptococcus viridans

#### Gram Negative

Enterobacter aerogenes	Pseudomonas aeruginosa	Salmonella shotmulleri
Escherichia coli	Pseudomonas fragi	Salmonella typhimurium
Klebsiella pneumoniae	Pseudomonas pseudomallei	Salmonella typhosa
Nisseria gonorrhoea	Salmonella choleraesuis	Salmonella paratyphi A
Proteus mirabilis	Salmonella enteritidis	Shigella flexneri Type II
Proteus morganii	Salmonella gallinarum	Shigella sonnei
Proteus vulgaris	Salmonella marcescens	Vibrio cholerae
Providencia spp.		

### Viruses:

Adenovirus Type IV	Influenza A2 (Aichi)	Reovirus
Feline Pneumonitis	Influenza A2 (Hong Kong)	Respiratory syncytial Virus
Herpes Simplex Type I	Parainfluenza (Sendai)	Vaccinia
Influenza A (Japan)	Polio Virus	

### Fungi:

Aspergillus niger	Microsporum audouinii	Trichophyton mentagrophytes
Candida albicans	Trichophyton interdigitale	

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