

# Foster® First Defense 40-97 EU

<b>General Properties</b>	Technology/Base	didecyl dimethyl ammonium chloride (DDAC)
	Type of Product	disinfectant cleaner
	Product Benefits	aldehyde-free disinfectant cleaner broad spectrum of efficacy; bacteria, yeast and enveloped and non-enveloped viruses cleans and disinfects in the presence of dirt, blood and proteins DVG and VAH compliant

## Technical Data

### General

<b>Physical Properties</b>		
Density	1.05 g/cm <sup>3</sup>	
Color	light yellowish	
Odour	slightly saponaceous	
pH	12.9	concentrate
pH	11.2	aqueous solution at 1%
Surface Tension	29 mN/m	aqueous solution at 1%
<b>Processing Guidelines and Parameters</b>		
Shelf Life	36 months	
Viscosity	30 mPa·s	Brookfield, 20 °C, 10 1/min, Sp1
Softening Point	150 °C	Mettler
<b>Dilution and Contact Time (Healthcare Settings)</b>		
Bacteria	70 ml/l / 5 min or 10 ml/l / 60 min	(clean surface prior to application)
Yeast	2.5 ml/l / 5 min or 1.25 ml/l / 60 min	
Spores	50 ml/l / 60 min	
Viruses	60 ml/l / 60 min	
Fungi	60 ml/l / 60 min	
<b>Dilution and Contact Time (Industrial and Institutional Applications)</b>		
Bacteria	25 ml/l / 5 min	(clean surface prior to application) (enveloped and Norovirus only)
Yeast	20 ml/l / 15 min	
Spores	50 ml/l / 60 min	
Viruses	20 ml/l / 15 min	
Fungi	40 ml/l / 15 min	
<b>Ingredients</b>		
Actives	6.9%	didecyl dimethyl ammonium chloride (DDAC), [CAS No. 7173-51-5]
Inerts	93.1%	water, chelating agent, surfactant, formulation aid

## Product Properties

<b>Applications</b>	Fields of Application	hospital institutional industrial
	Special Applications	suitable for hard washable surfaces
<b>Processing</b>	Compatible Materials	anodized aluminium aluminium coated with powder technology nickel plated mild steel polished martensitic steel stainless steel coated with gold polyethylene polymethacrylmethacrylate composite material from tungsten carbide and nickel polyvinylchloride flooring flexible polyvinylchloride tube butyl rubber (two types tested) optical glasses made from polycarbonate optical glasses made from silicate
	Consistency	liquid
	Surface Requirements	use for solid surfaces only
	Application Method	mopping trigger spray applicator pouring wiping
	Product is free of	aldehydes

## Additional Information

### Technical User Information

Foster® First Defense 40-97 EU is an aldehyde-free, high performance disinfectant cleaner with broad spectrum activity against bacteria, yeast and viruses. Its efficacy against different types of viruses matches perfectly to the use of this formulation around hospitals, long term care facilities and institutions. It can be used in schools as well.

### Direction of Use

#### (Hard Surface only)

1. Remove heavy soil deposits from the surface.
2. Dilute according to application. Prepare a fresh solution just prior to being used and replace if the solution becomes visibly dirty.
3. Apply to surface by mopping, trigger spray applicator, pouring and wiping. Use 30-50 mL/m<sup>2</sup> to thoroughly wet and leave to act for 5-15 minutes (depending on claim). Surface must remain wet for the entire contact time.
4. Rinse or allow to air dry. Disinfected surfaces which may come into contact with food must be rinsed with potable water. Rinsing of floors is not necessary unless they are to be waxed or polished.
5. Product should not be used in combination with other biocides or cleaning products.
6. Check compatibility with surfaces by first testing on an inconspicuous area.

### Storage

Foster® First Defense 40-97 EU should be used within the shelf life specified on the packaging. The storage stability only applies to material stored under appropriate conditions (original unopened containers, recommended storage temperature).

### Safety

Please read our Material Safety Data Sheet (MSDS) and the labels of each product before use. The valid safety regulations must be considered.

### Preparation

Refer to the product properties section of this data sheet for special surface requirements.

### Compatibility

Suitable for hard washable surfaces. As surfaces vary in quality the product suitability should be checked by testing first on a small inconspicuous area. Aluminium, linoleum, acrylic glass or surfaces coated with polymers could be affected depending on the use concentration. Plasticized PVC could be discoloured. Usage of disinfectant followed by common rinse procedures is advised.

Tested materials are listed in the product property section of this document. All materials have been tested @ 3.0 % concentration and 20 °C for up to 30 days.

### Disposal

Please refer to the Material Safety Data Sheet (MSDS) for appropriate disposal instructions.