



# PRODUCT SPECIFICATION

## ALPHA PLUS TRIGGER SPRAY STERILE

### PRODUCT INFORMATION

#### PRODUCT DESCRIPTION

Alpha Plus is a unique broad spectrum disinfectant suitable for regular use in cleanrooms and other controlled environments.

Alpha Plus shows good efficacy against a range of bacteria and fungi even after irradiation.

Alpha Plus is designed to be used in conjunction with Beta Plus (rotational disinfectant) and Delta Plus (Neutral Detergent).

Alpha Plus has low toxicity and does not contain any hazardous aldehydes or chlorine generating components.

Alpha Plus is colourless and fragrance-free and is non-corrosive with a range of cleanroom surfaces including stainless steel, vinyl, resin, plastics, and rubber.

Alpha Plus is a pre-mixed solution to ensure the correct concentration and homogeneous distribution of the active chemicals.

#### PRODUCT FEATURES

Trigger spray with spray / off settings.  
Trigger designed for low actuation force.  
Tamper resistant neck fastening.  
HDPE bottle.

A hydrophobic ePTFE membrane, preventing liquid and microbial penetration while allowing gas exchange in both directions to equalize pressure.

### TECHNICAL INFORMATION

#### MANUFACTURING

The product is filled and capped under ISO 14644-1 Class 5 unidirectional air flow. Packaging is performed within an ISO 14644-1 Class 7 (in use) cleanroom. The disinfectant is filtered through a 0.2 micron filter at the point of fill.

#### DISINFECTANT SPECIFICATION

A mixture of triamine and quaternary ammonium compounds.

#### PACKAGING

Primary packaging: 500ml trigger spray bottle with mechanically sealed tamper resistant neck fastening.

Secondary packaging: double bagged in polythene bags.

#### STERILISATION DETAILS

Gamma Irradiation (minimum 25kGy).

#### QUALITY ASSURANCE

Product supplied under BS EN ISO 9001 registered systems.

#### SHELF LIFE

2 years from date of manufacture if unopened.

#### STORAGE CONDITIONS

Store in a dry, well-ventilated area in ambient conditions.

CleanGuard 



## PRODUCT INFORMATION

### DISINFECTANT PERFORMANCE

EUROPEAN STANDARDS						
Standard	Organism	Contact Time (min)	Conditions	Log reduction to pass	Log reduction	
EN 1276	Bactericidal Suspension	Pseudomonas aeruginosa	5 min	Clean	>5.0	>5.24
		Escherichia coli	5 min	Clean	>5.0	>5.29
		Staphylococcus aureus	5 min	Clean	>5.0	>5.45
		Enterococcus hirae	5 min	Clean	>5.0	>5.29
BS EN 1650	Fungicidal Suspension	Aspergillus brasiliensis	15 min	Clean	>4.0	>4.27
		Candida albicans	15 min	Clean	>4.0	>4.22
EN 13697	Bactericidal Surface	Pseudomonas aeruginosa	5 min	Clean	>4.0	>6.50
		Escherichia coli	5 min	Clean	>4.0	>6.45
		Staphylococcus aureus	5 min	Clean	>4.0	>6.84
		Enterococcus hirae	5 min	Clean	>4.0	>6.63
	Fungicidal Surface	Aspergillus brasiliensis	15 min	Clean	>3.0	>5.55
		Candida albicans	15 min	Clean	>3.0	>5.04

TGA DISINFECTANT TESTING - Performed in accordance with TGO 104, 'TGA instructions for disinfectant testing V3'						
Standard	Organism	Contact Time (min)	Conditions	Log reduction to pass	Log reduction	
EN 13727	Bactericidal Suspension	Pseudomonas aeruginosa	5 min	Clean	>5.0	>5.32
		Escherichia coli	5 min	Clean	>5.0	>5.26
		Staphylococcus aureus	5 min	Clean	>5.0	>5.48
		Proteus hauseri	5 min	Clean	>5.0	>5.46
EN 13624	Fungicidal Suspension	Aspergillus brasiliensis	15 min	Clean	>4.0	>4.12
		Candida albicans	15 min	Clean	>4.0	>4.22
EN 13697	Bactericidal Surface	Pseudomonas aeruginosa	5 min	Clean	>4.0	>7.25
		Escherichia coli	5 min	Clean	>4.0	>6.14
		Staphylococcus aureus	5 min	Clean	>4.0	>6.62
		Proteus hauseri	5 min	Clean	>4.0	>6.18
	Fungicidal Surface	Aspergillus brasiliensis	15 min	Clean	>3.0	>5.12
		Candida albicans	15 min	Clean	>3.0	>6.28

## RECYCLING INFORMATION

Component Name	Component Material	Disposal	Guidance
500ml Bottle	HDPE	Recyclable	Remove Trigger Spray Head, Remove All Labels
Trigger Spray Head With Dip Tube	Mixed Plastics	Non-recyclable	Remove From Bottle
Product Label	Gloss Clear PP Permanent Label with a Clear Permanent Acrylic Water-Borne Adhesive (PP Clear FTC 60)	Non-recyclable	Remove From Bottle
Polybag	LDPE	Recyclable	Check With Local Authority, Remove Any Labels
Box	Cardboard	Recyclable	Remove Irradiation Labels and Packaging Tape
Packaging Tape	Reinforced Paper Packaging Tape	Recyclable	Leave On Cardboard Box
Box Label	Paper Based	Recyclable	Leave On Cardboard Box

## ORDERING/PACKING INFORMATION

Non-Sterile Code	Sterile Code	Description	Size	Pack Qty	Case Qty	Case Dimensions	Weight
	ZSAP50006	Alpha Plus 500ml Trigger Spray Sterile	500ml	Each	6 x 500ml	255 x 230 x190mm	12.9 Kg

The above product table does not show the regional product codes for clarity. However, to ensure that product labels with the correct languages are ordered and dispatched please contact us.