



PISCEAN CENTURY CHEMICALS PTE LTD

Head Quarters : Singapore
No. 13 Tuas Link 1 Singapore 638589 Tel : (65) 6862 6028 (6 Lines) Fax : (65) 6862 6018
Website : www.pisceanchemicals.com
E-mail : piscean@pacific.net.sg / admin@pisceanchemicals.com

AB-500 / 12-2007

PISOFT AB-500

PISOFT AB-500 is a specially developed, weak cationic, very low-yellowing, high grade softener intended to be used as a hand builder and surface feel modifier on fabrics and garments of various blend of fibres. It also acts as a durable antimicrobial / anti odour finish.

This product imparts superior handfeel both in the fibres and on the surface of treated goods. Treated fibres and fabrics will experience increased wettability, improved elasticity, anti-statics properties apart from the durable antimicrobial, anti-odour properties.

PISOFT AB-500 can be applied onto undergarments, fabrics both knitted and woven, is especially suitable for the hotel, restaurant, institutional sanitary and softening use on fabrics / textile garments.

Advantages of PISOFT AB-500:

- Durable anti-odour and antimicrobial properties.
- Easy to apply.
- No effect on textile properties.
- Broad spectrum on activity against bacteria, fungi, yeasts.
- Low mammalian toxicity.
- Low environment impact-bioeliminated by absorption.
- Heat stable to greater than 200°C – low volatility.
- Stable to prolonged UV exposure.
- Superior body and surface feel.
- Very low yellowing, even on white fabrics.
- Improve elasticity, tear strength, sewability.
- Pill resistant, anti-static.
- Improved wettability of fabrics.

Use level:

- Antibacterial effect:
 - Cotton-wash fastness required 2.00% - 4.00%
 - Cotton, viscose-disposables 0.50% - 2.00%
- Antifungal effect:
 - Cotton 2.00% - 5.00%

All expressed as % **PISOFT AB-500** on dry weight of textile.

百
胜
世
纪
化
工
私
人
有
限
公
司



CERT. NO. : 2001-2-1286
SS ISO 9001: 2000



CERT. NO : SG-1286



MEMBER OF
SINGAPORE BUSINESS
FEDERATION



PISCEAN CENTURY CHEMICALS PTE LTD

Head Quarters : Singapore
No. 13 Tuas Link 1 Singapore 638589 Tel : (65) 6862 6028 (6 Lines) Fax : (65) 6862 6018
Website : www.pisceanchemicals.com
E-mail : piscean@pacific.net.sg / admin@pisceanchemicals.com

AB-500 / 12-2007

Application of PISOFT AB-500 on cotton:

- Strong affinity for cellulose.
- Apply as a finish from dilute aqueous solution
 - Padding
 - Exhaustion
 - Spraying

Padding

PISOFT AB-500 can be applied by padding

Example:

- 4% PISOFT AB-500 in bath.
- 33% pick up of PISOFT AB-500 (Apart from other auxiliaries)
- Gives 2% PISOFT AB-500 on cotton.
- Can be applied with resin, softener (Pre-application test required)

Exhaustion

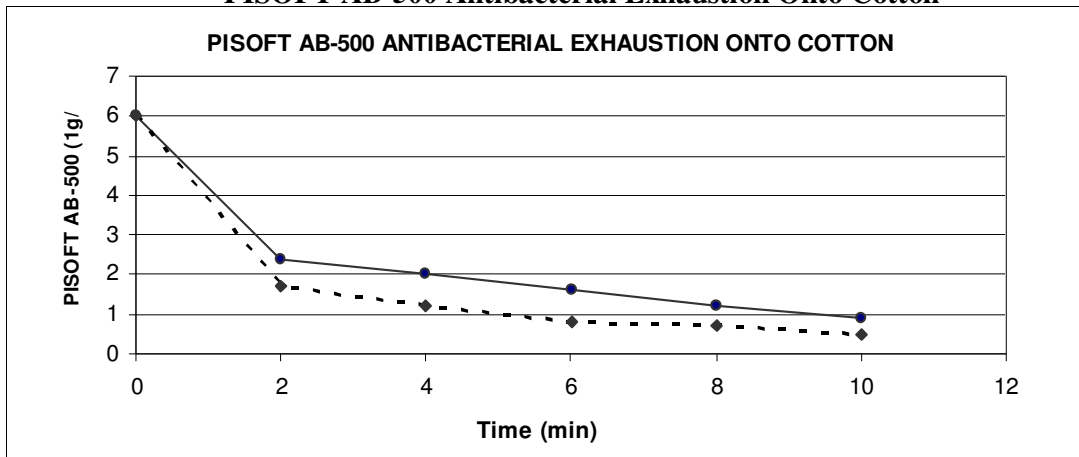
PISOFT AB-500 can be applied to shaped cotton articles by exhaustion

Example:

- 2g/l PISOFT AB-500 in water.
- 10:1 liquor ratio.
- Gives 2% PISOFT AB-500 on cotton.

百
胜
世
纪
化
工
私
人
有
限
公
司

PISOFT AB-500 Antibacterial Exhaustion Onto Cotton



Room temperature _____
40°C -----

Liquor 10:1



CHINA : PISCEAN CHEMICALS (SUZHOU) PTE LTD
No. 9, Xie Tang District, Suzhou Industrial Park, Suzhou, Jiang Su Province, China 215123.
Tel / 电话 : (86) 512-6547 2722 / 6547 3799 / 6593 3037 Fax / 传真: (86) 512-6547 0988
中国江苏省苏州市 215123, 苏州公业区斜塘分区 9 号



PISCEAN CENTURY CHEMICALS PTE LTD

Head Quarters : Singapore
No. 13 Tuas Link 1 Singapore 638589 Tel : (65) 6862 6028 (6 Lines) Fax : (65) 6862 6018
Website : www.pisceanchemicals.com
E-mail : piscean@pacific.net.sg / admin@pisceanchemicals.com

AB-500 / 12-2007

CASE STUDY – PISOFT AB-500 ON TOWELLING

- 4% **PISOFT AB-500** applied to yellow dyed cotton towelling.
- Applied by padding together with softener.
- Washed using HLCC method 4A at 50°C, followed by tumble dryer at 80°C.
- Antibacterial / antiodour efficacy using AATCC 100 after 0 to 100 wash dry cycles

HLCC Wash Method 4A

- 2Kg wash load
- 10cm liquor level
- 8 min wash at 50°C
- 3 rinses, then spin dry.
- 1 rinse then spin dry.
- Tumble dry at 80°C
- Wascator model FOM 7148g ECE Ref detergent + 12Na perborate

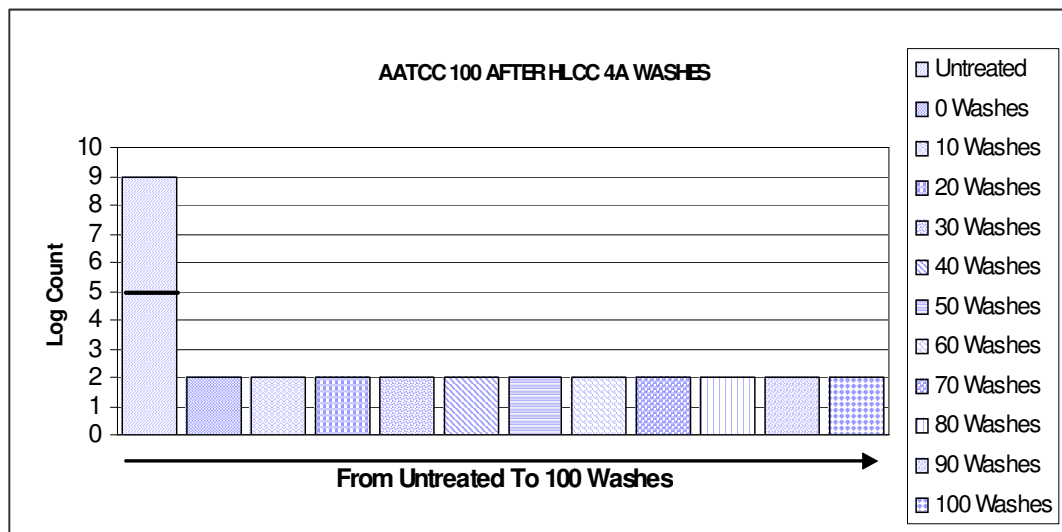
4% **PISOFT AB-500** on yellow towelling AATCC 100 after HLCC 4A washes

- Staphylococcus aureus

PISOFT AB-500 on Yellow Towelling

AATCC 100 after HLCC4A washes

- Staphylococcus Aureus 金黄色葡萄球菌



Notice: The higher Log Count mean will have the Stronger Odour.
There is No Odour below Log Count 5.

百
胜
世
纪
化
工
私
人
有
限
公
司



CHINA : PISCEAN CHEMICALS (SUZHOU) PTE LTD
No. 9, Xie Tang District, Suzhou Industrial Park, Suzhou, Jiang Su Province, China 215123.
Tel / 电话 : (86) 512-6547 2722 / 6547 3799 / 6593 3037 Fax / 传真: (86) 512-6547 0988
中国江苏省苏州市 215123, 苏州公业区斜塘分区 9 号



PISCEAN CENTURY CHEMICALS PTE LTD

Head Quarters : Singapore
No. 13 Tuas Link 1 Singapore 638589 Tel : (65) 6862 6028 (6 Lines) Fax : (65) 6862 6018
Website : www.pisceanchemicals.com
E-mail : piscean@pacific.net.sg / admin@pisceanchemicals.com

AB-500 / 12-2007

PISOFT AB-500 is effective in preventing below growths on towelling / cotton, cellulosic based fabrics:-

BACTERIAL:-

Skin

Staphylococcus Aureus

Food

Escherichia coli

Salmonella

Water

Pseudomonas

Enterobacter sp.

Air

Bacillus spores

FUNGI:-

Mould or mildew

Aspergillus

Penicilium

Predominantly grow on damp surfaces

Reproduce by spores

PACKING:

120Kg Plastic Drum.

STORAGE:

Store in a tight capped condition, avoid direct sunlight, heat and humidity.

TRANSPORT:

Product is not classified as hazardous for transport.

Separate MSDS available upon request

百
胜
世
纪
化
工
私
人
有
限
公
司



CERT. NO. : 2001-2-1286
SS ISO 9001: 2000



CERT. NO : SG-1286



MEMBER OF
SINGAPORE BUSINESS
FEDERATION

CHINA : PISCEAN CHEMICALS (SUZHOU) PTE LTD

No. 9, Xie Tang District, Suzhou Industrial Park, Suzhou, Jiang Su Province, China 215123.
Tel / 电话 : (86) 512-6547 2722 / 6547 3799 / 6593 3037 Fax / 传真: (86) 512-6547 0988
中国江苏省苏州市 215123, 苏州公业区斜塘分区 9 号