

(19) (KR)
(12) (B1)

(51) . Int. Cl. ⁶ A01N 5/18	(45) (11) (24)	2004 12 17 10-0348715 2002 07 31
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(21)	10-1994-0006351	(65)	10-1994-0020907
(22)	1994 03 29	(43)	1994 10 17

(30)	08/040,069	1993 03 30	(US)
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(73)	- 54956	,	401
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(72)	54937	208
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54956	725
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(74)

(54)

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(soothing feel)

가

1

· pH가 3.5

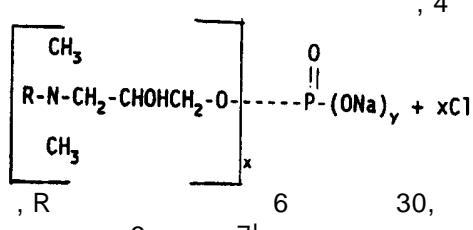
7

4 6

1

() 1

(bonded carded webs) , , 가 (meltblown) ,
 (airlaid sheets) (Nonwoven Fabric and Method of Producing
 4,100,324 [] ,
 Same) (Anderson) 1978 7 11 (softness)
 (coform) 35 100 g/m² ,
 70 80 g/m² 300 500 %



stries, Inc., Paterson, New Jersey)

PTC(Phospholipid PTC)'

sphate Quaternary Compounds)'
,503,002 (

(Mayhew) 4,209,449 [1980 6 24 1985 3 5]

26) . ,
(Mona Indu

1 3 % . 3 %

1 %
가

1 %

(antifungal)

가

pH

3.5

pH

0.2 % . 0.07 % , 0.07 0.3 % . 0.1 , 가
, 0.2 % 0.1 0.3 % , 가 , 가

922) (S. aureus; ATCC #6538),
) (P. aeruginosa; ATCC #15442),
. (A. niger; ATCC #16404) ()

0.2 1 % .
 (E. coli; ATCC #25
 D₁₀ (1 (log)
 (C. albicans; ATCC #10231) ()
 D₁₀ . D₁₀

(linear regression analysis)

$$D_{10} = \frac{\text{시간}}{\log_{10}N_0 - \log_{10}N_1}$$

, N₀ , N₁ (t)

1
가 (1, 2 3 %) , 100 %가
(Phospholipid PTC, Mona Industries, Inc., Paterson, New Jersey)

350 % 가 (65 %/
75 g/m² 19 cm x 19 cm 35 %)
가 80
(dispensing tub) /

3 , 1/2 3/4
United Kingdom) (44-133, Dake Corporation, Grand Haven, Michigan)
2 (stomacher bag)
D₁₀ 1

1
성분 pH D₁₀ 세균 D₁₀ 효모 D₁₀ 사상균

1 % 인지질 5.51 <1 <3 *

2 % 인지질 5.91 <1 <3 *

3 % 인지질 6.03 <1 <3 *

* 미생물 수가 테스트의 변수를 초과하여 계산이 불가능함(무효)

2
가 1 %, (chamomile) 1 %, PTC 1 %,
100 %가

2
성분 pH D₁₀ 세균 D₁₀ 효모 D₁₀ 사상균

0.2 % 쇠이트르산

0.3 % 말산 2.38 <4 * 48.2

0.3 % 쇠이트르산

0.3 % 말산 2.36 <4 * 35.2

0.3 % 쇠이트르산

0.5 % 말산 2.35 <4 * 54.0

* 실시예 1 참조

3() 가 PTC 1 %,

1
3
3

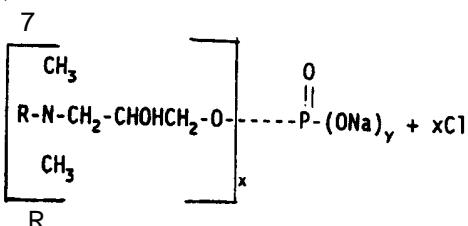
성분	pH	D ₁₀	세균	D ₁₀	효모	D ₁₀	사상균
0.05 % 소르브산	3.63	0.5		21.8	*		
0.075 % 소르브산	3.48	1.0		24.8	*		
0.1 % 소르브산	3.41	1.0		9.2	8.4		

(57)

1.

, 4

0.1 0.3 1 % 3 pH가 3.5



, x,y , x + y = 3 가

2.

1 , 0.1 0.2 %

3.

1 , 300 500 %

4.

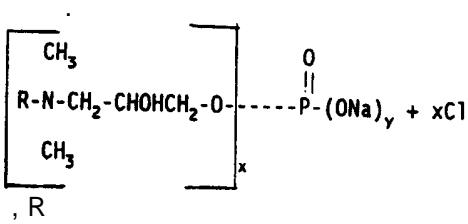
300 500 %

1

3 %

0.1 0.3 %

pH 4 6



, x,y , x + y = 3 가

5.

4 , 0.1 0.2 %

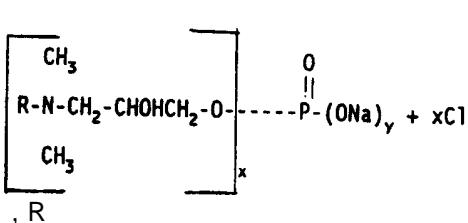
6.

4 , pH가 6

7.

, 4

0.2 % 1 3 pH 4 % 6



, x,y , x + y = 3 가

7 , 0.2 1 %

9.

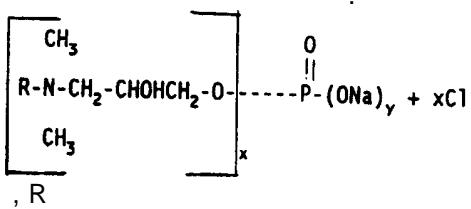
7

10.

, 4

0.1 0.3 1 % 3 %, pH 3.5

7



, x, y , x + y = 3 가