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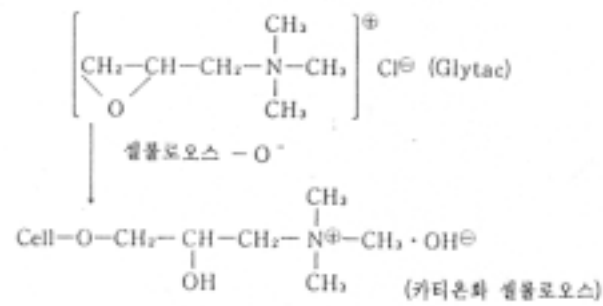
4

가

(glycidyl)

(glycidyl

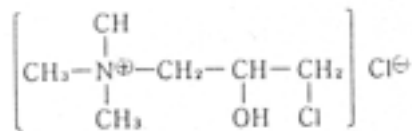
trimethyl ammonium chloride), “Glytac”(Protax)



(precursor)

-2-

-3-

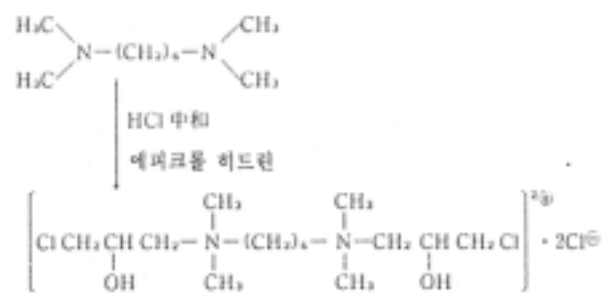


가

가

2.1

4 가 가



2,3 [-CH₂-

CH-O-CH₂]

Cl

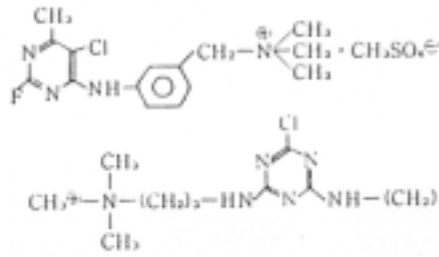
가

가

2.2

가

가



40g 30% 가 30cc 1l가

24

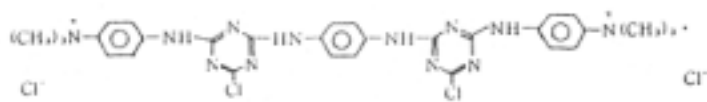
15g, 50g,

Na₂CO₃ 20g 1l - (30

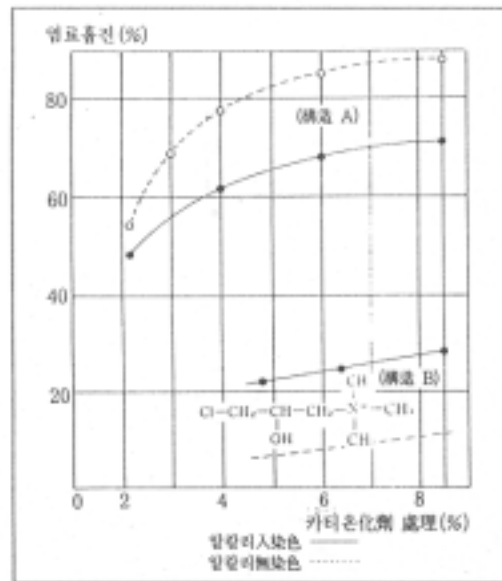
)

pH,

가



[A]



< 1> A B가

CE. Evans

2

[A]

[B]

[A]

, [B]

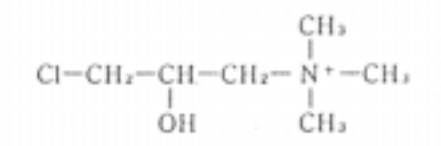
< 1>

CI Reactive Red 2

, [A]

가

[B]



[B]

가 , [B] - -

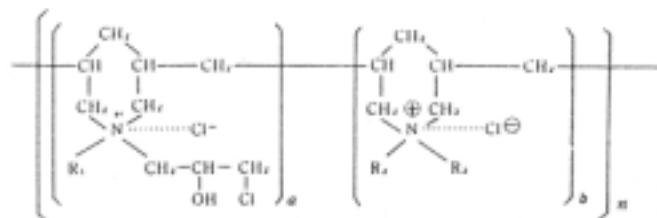
4% o.w.f.

40g/l 가 .

2.3

, Cl (3-Cl-2-)

HCl 가 .



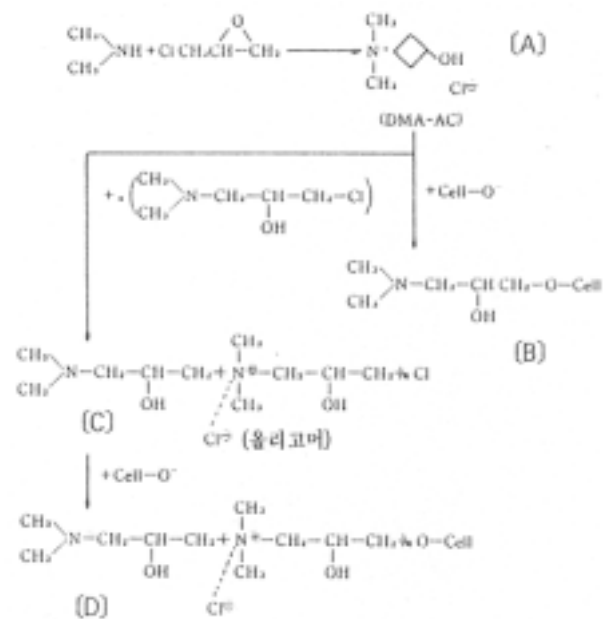
3.

가 .

3.1

D. M. Lewis (2)

1, 1- -3- Cl(DMA-AC) [A]

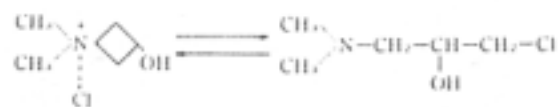


[A] - - (200 × 1),

, [B] 가

[A] 1-N, N- -2- -3-

가 ,



3 , [A]

γ- DMA-Acdml ,

[C] .

Glytac 4 , DMA-AC 2

3

OH 가 , 가

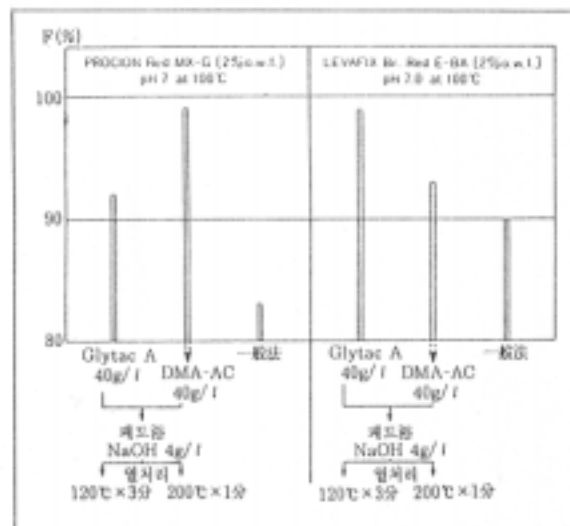
. 1 CI 4

< 2>

Glytac A DMA-AC

(%)

가

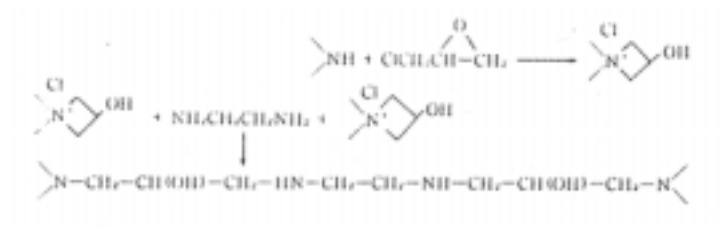


< 2> DMA-AC Glytac A

3.2

Burkinshaw, Lei X. P. Lei

(PEA) , (EDA)



EDA가 PEA 가

가

. PEA

10~15g/l

가

가

EDA

가

가

pH 5~11

(K/S)

가

, PEA

EDA

10~20cc/l

< 3>

Procion Red HE3B, Red MX-5B

, pH 5.0

가

-

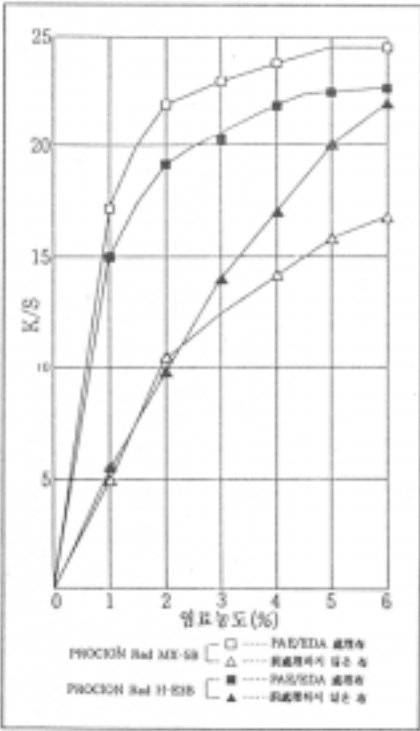
PAE:200g/ l
EDA:10cc/ l } - 페드 → 드라이 (카티온化)

6%, o.w.f.

2가

가

가 1~2

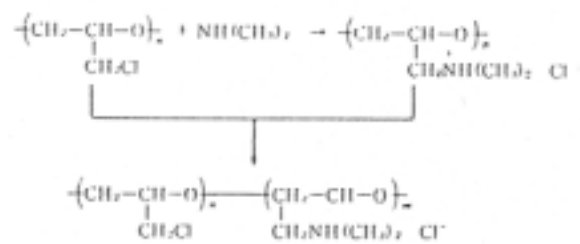


< 3>

PAE/EDA

3.3

TS Wu, KM Chen



(),

Procion Red H-E3B

2g/l , 가 4g/l

H 5g/l , (

) 0g/l K/S , 가 가

흡진법으로 하면

카티온化劑 4g/l

가성소다 4g/l

용비 1 : 25

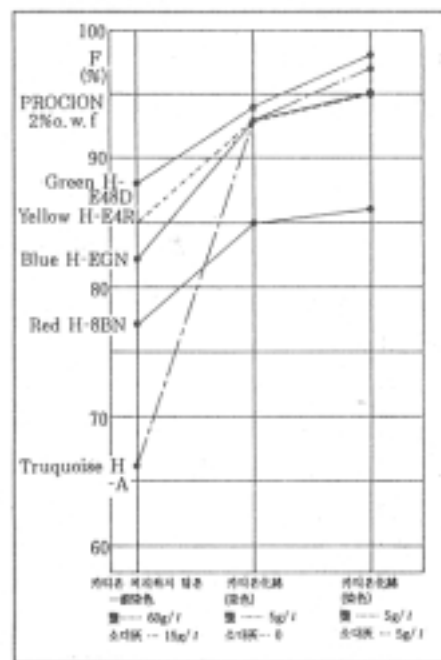
40℃에서 30분 끓이고 50분 동안
카티온화제를 흡진시켜 수세한다.

< 4>

가

2% o.w.f.

(F%)



< 4>

()

가

가

1/10

가

가

(color yield)

가

1~2

4.

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