

(19)
(12)

(KR)
(B1)

(51) 。 Int. Cl. ⁶
C08K 5/09

(45)
(11)
(24)

2002 06 20
10 - 0323217
2002 01 22

(21) 10 - 1994 - 0007756
(22) 1994 04 13

(65) 1994 - 0023953
(43) 1994 11 17

(30) 08/047,724 1993 04 14 (US)

(73)

44092 - 2298

29400

(72)

44224

3125

(74)

:

(54)

(a)

6

(c)

(b)(a)

6

6

가

, 가

(非相溶性, incompatibility)

가

가

. 1978.

7. 28 2,376,178

Zn, Ca, Pb

가

1954 2 Darby 2,669,549
PVC PVC

1978 , 10 31 , Gay 4,123,399 - 400
PVO +

1990 5 22 , 1992 4 7 Bae 5,102,933 10
, PVC

(a)

6

(a); (a)

6

: (c)

(a)

6

; (b) (a)

6

RCOOH, R
 (, R)

18 , 가 30 50 8 , 400

Kirk - Othmer " 3 , 1978. John Wiley & Sons New York, pp. 814 - 871

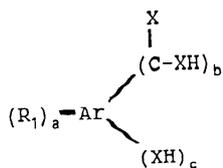
10 - 6 20 4 , 3 - (, 8 -) , 1

0 , 0, 30 , 500 , Mm 500 150 5000, 1200 35 , 800 1300 50 2500 Mn () 300 , 20 50

2 , 1 - , 16 , 1 - 가 2 6 , 1,3 - 2 4 , 4 , 50%가

(Mn = 200 - 1500, 300 - 1000)
 (Mn = 200 - 1000, 300 - 900)
 , 9 -

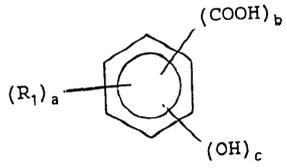
$(\text{CH}_2\text{CH}_2\text{O})_5\text{CH}_2\text{CO}_2\text{Na}$; $-\text{O}-(\text{CH}_2\text{CH}_2\text{O})_{2.5}-\text{CH}_2\text{CO}_2\text{H}$; $-\text{O}-(\text{CH}_2\text{CH}_2\text{O})_{3.3}\text{CH}_2\text{CO}_2\text{H}$;
 $-\text{O}-(\text{CH}_2\text{CH}_2\text{O})_4-\text{CH}_2\text{CO}_2\text{H}$; $-\text{O}-(\text{CH}_2\text{CH}_2\text{O})_{4.5}\text{CH}_2\text{CO}_2\text{H}$; $-\text{O}-(\text{CH}_2\text{CH}_2\text{O})_{10}\text{CH}_2\text{CO}_2\text{H}$;
 $-\text{O}-(\text{CH}_2\text{CH}_2\text{O})_{16}\text{CH}_2\text{CO}_2\text{H}$; $-\text{O}-(\text{CH}_2\text{CH}_2\text{O})_8\text{CH}_2\text{CO}_2\text{H}$; $-\text{O}-(\text{CH}_2\text{CH}_2\text{O})_{19}\text{CH}_2\text{CO}_2\text{H}$;
 $-\text{O}-(\text{CH}_2\text{CH}_2\text{O})_6\text{CH}_2\text{CO}_2\text{H}$. (Sandoz Chemical) Sa
 ndopan™



$(\text{R}_1)_a$ Ar $(\text{C-XH})_b$ $(\text{XH})_c$
 a b c X Ar R_1 H

R_1 Ar R_1 Ar R_1 Ar R_1 Ar
 30 8 25 8 15 5 5 5
 $4-$ $3-$ $2,3,5-$ $4-$ $3-$ $2,3,5-$ $4-$ $3-$

Ar Ar Ar Ar



$(\text{R}_1)_a$ Ar $(\text{COOH})_b$ $(\text{OH})_c$
 a b c R_1 Ar H

가 8 14 22
 18
 가 6 ;
 2 8 18
 가

(b) (a) (a)
 (C.A.S.) IIb
 가

가 0.1:1 15:1 0.5:1 4:1

가 (a) (b)
 () ()
 가

8 30 1가 가
 10 1가 1가

4.5 1 4.5 2 8 3.5
 가

4 - 7

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실시예	실시예 1의 Ca Zn 옥토에이트 혼합물(wt.%)	옥토에이트 (wt. %)	중량비 Ca/Zn	메틸 에틸 케톡심(wt. %)
4	43.6	55.4	0.5	1
5	60.5	38.5	1.0	1
6	75.1	23.9	2.0	1
7	85.4	13.6	4.0	1

8 - 18

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실시예	염 1		염 2		착화제	
	유형	%	유형	%	유형	%
8	Ca (실시예 1)	96.8	Zn 옥토에이트	3.1	MEKO ^a	0.1
9	Ca (실시예 1)	75.1	Zn 옥토에이트	23.9	MEKO	3.0
10	Ca (실시예 1)	21.6	Zn 옥토에이트 ^b	68.3	MEKO	10.0
11	Ca (실시예 1)	75.1	Zn 옥토에이트	23.9	아세트알독심	0.5
12	Ca (실시예 1)	75.1	Zn 옥토에이트	23.9	에틸 프로필 케톡심	2.0
13	Ca (실시예 1)	75.1	Zn 옥토에이트	23.9	벤즈알독심	1.0
14	Ca (실시예 1)	62	Ba 데카노에이트	36	MEKO	2.0
15	Ca (실시예 1)	68	Cd 옥타노에이트	30	MEKO	2.0
16	Ba ^c	84	Zn 옥토에이트	15	MEKO	1.0
17	Ba ^c	80	Zn 스테아레이트	19	MEKO	1.0
18	Ca ^d	75	Zn 옥토에이트	24	MEKO	2.0

a MEKO =

b 18 %

c 31 % 35 % , 1 C₁₂ - C₂₀

d , 1 /1 , CO₂ 가가 ,

