

<

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“

”

CFC

93

13

가

93 (1~11)
2226 4%
93 3~4

107 4616 6%, 85
, 92 11
11

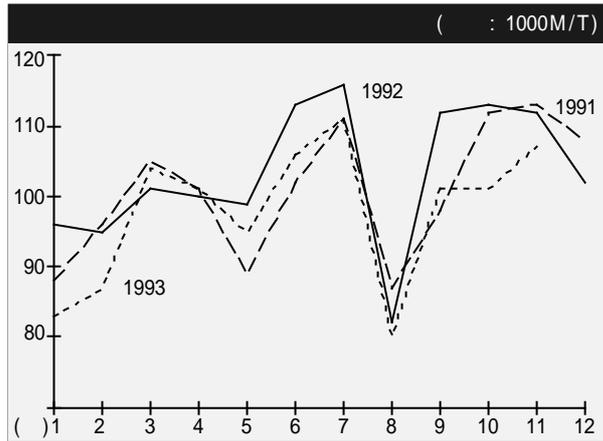
3~4

가

가

(: M/T)				
1987	1,002,731	6	109	
1988	1,024,943	2	112	
1989	1,100,218	7	120	
1990	1,163,904	6	127	
1991	1,210,911	4	132	
1992	1,239,356	2	135	
1987	783,387	5	112	
1988	837,158	7	120	
1989	886,780	6	127	
1990	922,071	4	132	
1991	951,525	3	136	
1992	966,474	2	138	

85



6000가

25%

50~60%

가

가

가

92

2% 가

2

93

가

가

13

2

93

6%

116

, 90

93

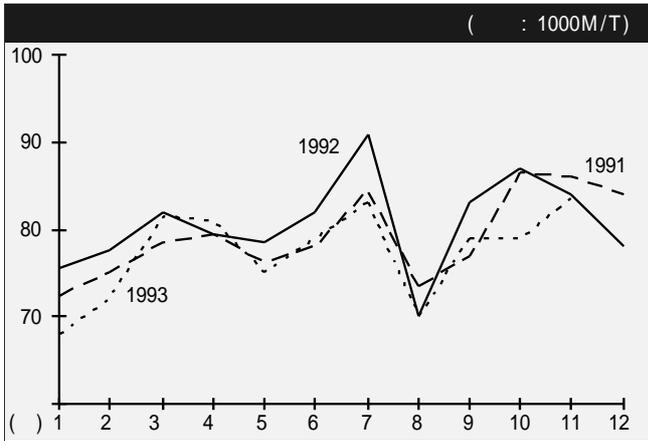
가

93 (1~11) 2.9% 74 2417
 30% 11%
 Alkyl Sulfate 6% 가 , 35% 가
 가

94

95

CFC-113
 CFC-113



	1	2	3	4
EMS			60%	
90s		90s	90s	70 90s
가	(10µg)			
	UV			
	SUS	가	52cm ²	6
	2			
	1			
	No.22	UB-100	NS	
µg/cm ² (%)	0.08(99.98)	0.24(99.81)	0.23(99.91)	
:	9.5(99.13)	14.4(99.05)	13.3(99.97)	

) D 60 , 60 , 2

93 (1~11)

56 6969

7%

35 5563 1% 가
 16 8752 (3%), 8 8396 (3% 가)
 Alkyl Sulfate, Alkyl Ether Sulfate 6%, 3% 가
 Alkyl Ether Sulfate 가
 33 8496 10%, 21 601 3%
 Alkyl Sulfonate 11%, 4%

OEM 가

11%, 3% , 6 5858 4%
 5 2303 가
 38 6527 (4%), 39 1269 (8%)
 24 4144 (7%), 27 749 (11%)
 가
 7 4688 , 6 5835 5%
 () .

(1993 1 ~ 11) (: M/T, %, 100)											
					가						
			724	11,112	3	163	1,643	3	3,283	6	50
			5,399	73,374	11	47,859	30,405	6	5,109	2	525
			10,645	84,266	6	39,931	46,348	3	6,226	-	9,379
			16,768	168,752	3	87,953	88,396	3	14,620	1	9,954
		()	29,371	251,594	11	157,879	120,253	4	11,649	8	3,505
		()	2,369	73,206	11	1,171	75,420	3	8,253	3	1,183
			2,477	13,696	3	1,050	14,928	2	3,908	5	269
			34,217	338,496	10	160,100	210,601	3	23,810	5	4,957
			4,761	59,521	3	5,122	56,566	3	16,056	2	2,262
			55,746	566,769	7	253,175	355,563	1	54,488	3	17,173
			9,308	65,858	6	12,752	52,303	-	17,650	2	10,343
		POE ()	59,316	150,852	10	25,210	182,518	15	47,941	16	2,045
		POE 가	513	23,087	1	1,685	21,822	1	7,513	4	178
			4,851	70,205	1	7,526	66,409	2	18,445	4	750
			64,680	244,144	7	34,421	270,749	11	73,902	12	2,973
		가	2,053	47,152	6	3,280	41,989	7	20,744	2	4,161
			1,230	27,536	1	3,089	23,846	2	8,569	5	1,760
			3,283	74,688	5	6,369	65,835	5	29,313	3	5,921
			17,546	67,695	7	20,812	54,685	3	19,202	-	9,795
			85,509	386,527	4	61,602	39,269	8	122,418	8	18,689
			4,959	25,907	1	5,431	23,512	3	7,929	3	1,670
			155,522	1,045,061	6	332,960	822,647	4	202,482	6	47,875
		()	2,297	29,555	-	2,128	29,579	2	11,510	1	135
			157,819	1,074,616	6	335,088	852,226	4	213,992	6	48,010
							108,626		22,881		
							87		84		
							13		11		

)

2 5907 1% 2 3512 3% 가
 PH
 가 가
 10 8626 13%
 , 93
 92 14.2% , 93 12.7%

, () 가
 가
 88~93 5 , 가
 CFC-113 5% 가 ,
 가 가 ,
 가
 55%, () 5%, () 1%, 39%
 (120) ,
 2~5
 3.1% , 6 6 4.86%, 66
 100 , 60% 55
 가
 (3000) 2500
 1500 2 가
 荏原 가
 , COD 가
 (1 1.68m³), BOD (4.23KG) 가
 가 가
 가