

가

46

60~70

80

4%

가

가

93

92

7.34%

4 299

4

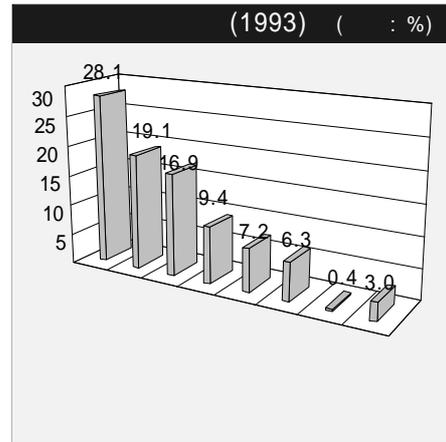
8.46%

가

5.85%

2.6%

(: kg/ %)					
	1991	1992		1993	
	4,011,241	3,758,639	6.3	3,576,785	4.8
	5,412,768	6,711,944	24.0	6,231,227	7.1
	2,870,596	2,849,157	0.7	2,712,622	4.7
	90,420	202,096	123.5	223,930	10.8
	76,500	42,611	44.3	24,390	42.7
	378,551	1,202,515	217.6	413,588	65.6
	2,890,953	2,517,961	12.9	2,888,416	14.7
	4,079,407	3,843,896	5.7	4,694,622	22.1
	10,161,919	11,173,628	9.9	13,269,417	18.7
	7,354,170	7,604,828	3.4	8,851,358	16.3
	162,420	164,585	1.33	112,733	31.5
	37,488,945	40,071,860	6.8	42,999,088	7.3



90 1 574 , 91 1 2356 , 92 1 3747

14.1%

92

31.65%,

23.15%,

33%

가

5

7.36%,

3.28%,

5.34%,

19.86%,

25.41%,

16.67%,

3.57%,

3.24%

가

가

가

가

가

가 43%, 39%, 3.28%

가 50%,

가

(: kg/ %)						
		1991	1992		1993	
		3,250,077	3,403,744	4.7	4,039,104	18.6
		878,346	885,878	0.8	952,864	7.5
		2,835,770	3,127,514	10.2	3,432,020	9.7
		117,909	90,774	23.0	113,127	24.6
		1,027,122	885,273	13.8	1,197,317	35.2
		3,846,909	3,659,672	4.8	3,447,187	5.8
		15,022,554	1,489,352	90.0	28,157,289	1,790.5
		65,053	22,700	65.1	31,910	40.5
		5,506,194	6,293,162	14.2	3,450,575	13.3
		8,894,860	8,579,171	3.5	9,340,389	8.8
		5,310,481	6,454,944	21.5	4,898,939	24.1
		9,393,289	11,992,364	27.5	12,716,671	6.0
		56,148,574	46,885,148	16.5	73,777,392	57.3

(: 1000MT, %)					
		1989		1990	
		5.3	2	5.3	-
		14.9	8	9.5	36
		-	-	-	-
		39.8	3	34.5	13
		1.0	55	-	-
		70.9	8	74.9	6
		29.4	11	31.7	8
		-	-	-	-
		188.0	5	193.9	3
		-	-	-	-
		-	-	-	-
		48.4	4	46.0	5
		152.9	2	93.5	39
		-	-	-	-
		16.3	3	-	-
		-	-	-	-
		49.7	20	-	-
		56.0	-	54.4	3
		1.1	155	1.3	13
		-	-	-	-
	가	-	-	6.5	-
		16.4	1	15.4	6
		11.7	-	-	-
	가	0.1	4	1.0	-
		18.2	1	10.0	45
		18.3	4	10.6	20
		-	-	-	-
		855.0	1	781.3	9
		81.3	1	84.0	3
		1,164.1	1	1,093.7	6

) 174.4(1989), 117.1(1990), 127.4(1989)143.5(1990)

93

280

가 가

가

가

가

75%,

15%,

6%,

4%

Dupont 46%, SCM 22.2%, Tioxide 15.6%, Ishara 11.1%

520

Hoechst가

33%, 29.7%, 22.9%, 7.9%

(: M/T, 100 , %)											
	1991			1992				1993			
AZO LAKE	1,025	7,461	15.9	1,026	7,708	15.0	3.3	1,179	8,784	15.0	14.0
INSOLUBLE(MONO AZO)	150	1,089	2.3	138	1,017	2.0	6.6	158	1,174	2.0	15.4
INSOLUBLE(DIS AZO)	649	6,894	14.7	688	7,278	14.2	5.6	761	7,889	13.5	8.4
SPECIAL AZO	72	2,373	5.1	77	2,569	5.0	8.3	81	2,776	4.7	8.1
	1,896	17,817	38.0	1,929	18,572	36.2	4.2	2,179	20,623	35.3	11.0
PHthalocyanine-BLUE	1,293	12,881	27.5	1,328	13,005	25.4	1.0	1,484	14,755	25.2	13.5
PHthalocyanine-GREEN	331	5,197	11.1	362	5,655	11.0	8.8	439	7,034	12.0	24.4
	1,624	18,078	38.6	1,690	18,660	36.4	3.2	1,923	21,789	37.3	16.8
QUINACRIDONE	60	2,895	6.2	68	3,298	6.4	138.9	70	3,527	6.0	6.9
ISOINDOLINE	3	80	0.2	6	185	0.4	131.3	10	178	0.3	3.8
DIOXAZINE	57	2,793	6.0	67	3,322	6.5	18.9	74	3,756	6.4	13.1
ISOINDOLINONE	6	240	0.5	6	240	0.5	0	6	250	0.4	4.2
ANTHRAQUINONE	7	560	1.2	6	480	0.9	14.3	5	420	0.7	12.5
PERYLENE	9	521	1.1	28	1,757	3.4	237.2	34	2,065	3.5	17.5
DIKETO-PYRROLO-PYRROL	20	1,600	3.4	16	1,280	2.5	20.0	12	980	1.7	23.4
THIOINDIGO	3	120	0.3	2	170	0.3	41.7	5	409	0.7	140.6
METAL COMPLEX	20	400	0.9	27	540	1.1	35.0	32	660	1.1	22.2
INDANTHRONE	10	638	1.4	21	1,338	2.6	109.7	31	1,980	3.4	48.0
	42	1,141	2.1	52	1,437	2.8	25.9	61	1,828	3.1	27.2
	237	10,988	23.4	299	14,047	27.4	27.8	340	16,053	27.5	14.3
	3,757	46,883	100.0	3,918	51,279	100.0	9.4	4,442	58,465	100.0	14.0

46

50

2000

가

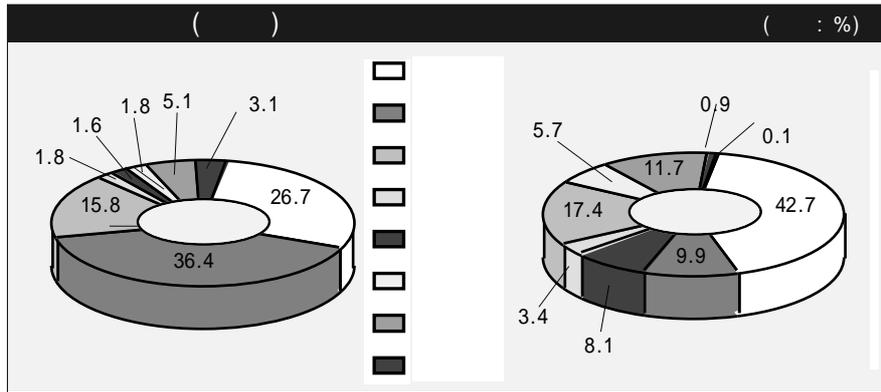
가

70 ~80

1 5000

가

가
 가
 3D
 가
 가
 가



가
 가

ISO9000

가

가

90
3

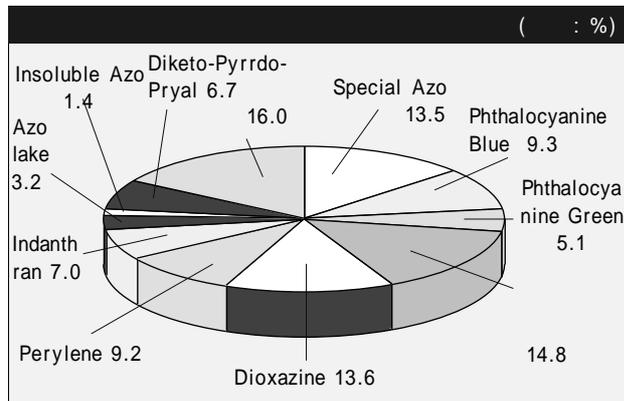
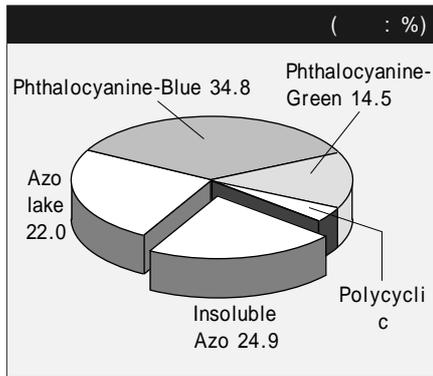
109 6%
 13%, 9%, 9% 7%

가 가

90

89 116 4000 109 3700 7%

가 4% 가 2000 69
 9000
 89 17 4400
 11 7100 67.1%
 가
 2000 10% 가
 80 3
 가
 89 12 7400
 가
 2000 가
 가 가
 가



92 7 , 93 4 6%
 94 4% 7 3707 , 3% 7 2400 , 3%
 1122
 92 , 89 3
 가 , 2 3133 5
 91 92
 가 92 4% 가, 2% 가
 93 6% , 70% 가
 가 가

가
 2 7849 , 523 2%
 1 7630 5% , 10% 304 .

(: M/T 100 , %)															
	1990					1991					1992				
	5,864	-	5,969	6,584	5	6,004	2	5,904	6,357	1	5,217	13	5,335	5,458	10
	2,652	3	2,637	8,215	4	2,522	5	2,360	7,489	11	2,213	12	2,243	7,110	5
	4,365	7	3,985	7,209	2	4,465	2	3,984	6,796	-	4,542	2	3,925	6,668	1
	1,318	24	1,283	2,789	25	1,642	25	1,752	3,538	37	1,441	12	1,474	3,133	16
	2,953	3	2,843	1,948	2	2,144	27	2,198	1,506	23	1,809	16	1,870	1,206	15
	3,082	11	2,741	7,850	1	3,029	2	2,750	7,534	-	2,635	13	2,458	6,246	11
	2,348	8	2,599	4,294	7	2,378	1	2,491	4,206	4	2,182	8	2,470	4,020	1
	20,130	11	19,459	30,779	7	22,241	10	21,405	33,926	10	23,133	4	22,28	35,206	4
	10,223	7	10,337	6,515	8	10,296	1	10,185	6,481	2	9,627	6	4	6,264	4
	16,388	9	15,993	25,813	9	16,282	1	15,853	25,552	1	15,422	5	9,770	25,328	3
	3,799	8	3,701	6,236	9	4,162	10	4,049	6,145	9	3,921	6	15,40	5,948	8
	1,758	16	1,637	6,260	5	1,944	11	1,646	5,856	1	1,564	20	4	5,581	11
	74,880	1	73,234	114,492	5	77,109	2	74,576	115,386	1	73,707	4	3,706	112,167	3

39% 92 KG 가 1549 , 가가 1023
 가 6% 42 1500 m² , 4%
 33 300 m² , 11% 9 1200 m²
 가 가
 가 가
 가

(: M/T,)								
	1989				1990			
	15,815	2	3,611	36	16,976	7	3,248	10
	882	29	38	28	850	4	110	189
	16,697	3	3,649	34	17,825	7	3,358	8
	1991				1992			
	18,395	8	3,697	14	19,901	8	3,216	13
	855	-	52	53	797	7	27	48
	19,250	8	3,749	12	20,698	8	3,243	13

가 86 91
 , 92 가
 93 가

92 가 2 8937 1% 가 2 9044 , 107
 , 1 2925 4% 가, () 804 1% , 8338 1%
 55% 1 , 91
 206 2% , , 가 2 8%
 가 가 91 10%

(1992)(: MT/)			
	6,705	23	-
	8,338	29	1
	12,925	44	4
	804	3	1
	272	1	11
	29,044	100	1

(: MT/)			
	1991	1992	
	6,705	6,705	-
	5,031	4,971	1
	8,427	8,338	1
6 B	4,254	4,340	2
C	1,881	1,785	5
	1,788	1,738	3
	12,463	12,925	4
	10,331	10,729	4
	1,981	2,058	4

92 8% 가 2 698 , 13% 3243 .
 1 1692
 33% 8%, 7%, 7%, 6%,
 5%, 5% , 32%, 27%, 15%, 9%, 7% .
 < 1994/5/16 >