

100

1810

91 100 47 가 90 , 가 1% .
 91 100 4 .
 CBI Industries, , Union Carbide Industrial Gas가100 ,
 , Eagle 4 가 .
 91 .
 50 1550 85% .
 50% 가 100 41% , .
 가 22% .
 21%, Share 16% .
 . 가 14 1 28 4000 ,
 20 2000 , 16 8000 .
 , 50 1 14 9000 .
 91 .

50 85% Dupont · Dow · Exxon

1 Dupont, 2 Dow, 3 Exxon, 4 Hoechst Celanese, 5 Monsanto, 6 Union Carbide, 7 General Electric, 8 Occidental Petroleum, 9 BASF, 10 Mobil .

Dupont 1 , 2 Dow, 3 General Electric, 4 Monsanto, 5 Exxon, 6 Eastman Kodak, 7 Arco, 8 Hoechst Celanese, 9 Air Products, 10 W.R. Grace .

Arco, Great Lakes Chemical, International Speciality Products, Internation Flavors & Fragrances, Sigma Aldrich , 1 Dupont, 2 Dow, 3 Exxon, 4 General Electric, 5 Occidental Petroleum .

Georgia Gulf, ,Farmland Industries, Betz Laboratories, Sigma Aldrich .

1991	1990								
1	1	Dupont	15,383	1.2	39.8		1,265	35.7	8.2
2	2	Dow Chemical	13,277	9.6	70.6		835	56.6	6.3
3	3	Exxon	10,703	4.0	9.3		672	8.8	6.3
4	6	Hoechst-Celanese	6,347	15.4	93.4		488	14.3	7.7
5	5	Monsanto	5,451	4.6	61.5		694	11.2	12.7
6	4	Union Carbide	4,877	6.9	100.0		122	80.4	2.5
7	7	General Electric	4,722	8.6	7.8		803	21.0	17.0
8	8	Occidental Petroleum	4,649	7.8	40.4		53	91.7	1.1
9	9	BASF	3,959	9.3	79.8				
10	11	Mobil	3,953	3.2	6.3		245	38.3	6.2
11	10	Amoco	3,893	4.7	13.8		56	77.8	1.4
12	13	Eastman Kodak	3,740	4.2	19.3		538	10.6	14.4
13	14	WR Grace	3,531	1.1	58.4		426	1.2	12.1
14	12	Shell Oil	3,378	9.1	15.2		264	49.1	7.8
15	15	Chevron	3,098	6.8	7.7		196	345.5	6.3
16	16	Arco Chemical	2,837	0.2	100.0		398	15.1	14.0
17	17	Rohm & Haas	2,763	2.2	100.0		327	6.8	11.8
18	19	Air Products	2,676	2.4	91.3		474	7.7	17.7
19	20	Milds	2,479	11.4	40.0				
20		Union Carbide Industrial Gas	2,469	2.0	92.5		324	20.8	13.1
21	18	Allied Signal	2,459	11.7	20.8		183	36.2	7.4
22	22	American Cyanamid	2,344	4.0	47.0		222	13.8	9.5
23	21	Rhone-Poulenc	2,300	1.0	100.0				
24	23	Ashland Oil	2,285	1.8	23.2		98	40.0	4.3
25	24	Hercules	2,172	1.0	74.2		201	20.4	9.3
26	26	Ciba-Geigy	2,151	10.0	52.0				
27	29	AKZO	1,913	1.0	100.0				
28	25	Phillips Petroleum	1,904	10.2	15.1		297	33.7	15.6
29	27	Quantum Chemical	1,885	3.8	74.4		99	59.3	5.2
30	33	Dow Corning	1,845	7.4	100.0				
31	31		1,842	0	18.6		535	59.5	29.0
32	28	BF Goodrich	1,778	8.3	71.9		35	73.2	1.9
33	34	National Starch	1,756	51.0	100.0		269	5.9	15.3
34	35	FMC	1,684	3.7	43.2		203	6.0	12.1
35	30	Lyondell Petronical	1,666	11.8	32.0		249	44.4	14.9
36	36	Ethyl	1,535	3.5	59.6		231	25.1	15.0
37	32	Texaco	1,515	12.1	4.1		4	93.3	0.3
38	37	Elf Atochem	1,500	2.6	100.0				
39	38	Degussa	1,359	5.2	85.0				
40	39	Lubrizol	1,349	1.0	91.4		179	55.0	13.3
41	48	Great Lakes Chemical	1,308	22.6	100.0		350	20.8	26.8
42	44	Nalco Chemical	1,237	2.1	100.0		227	7.6	18.3
43	50	Morton International	1,215	18.9	63.7		153	9.7	12.6
44	43	Unocal	1,213	1.9	11.1		89	22.6	7.3
45	40	Hanzman Chemical	1,200	7.7	100.0				
46	41	Tenneco	1,160	10.6	8.5		66	60.5	5.7
47	47	IMC Fertilizer	1,131	2.3	100.0		196	14.6	17.3
48	46	Cabot	1,129	2.0	76.1		103	29.9	9.1
49	49	Imcera	1,127	10.0	69.0		135	29.1	11.9
50	45	PPG Industry	1,100	4.3	19.4		195	15.6	17.7

1991	1990								
51	54	Farmland Industries	1,036	7.3	28.5		123	47.3	11.9
52	56	Inspiration Resource	1,023	6.4	96.4		35	46.2	3.4
53	55	IFF	1,017	5.6	100.0		254	4.5	25.0
54	52	Solvay America	1,010	1.3	100.0				
55	51	Lihoft Chemical	1,000	0.0	100.0				
56	42	Olin	960	24.3	42.2				
57	60	Freeport	880	6.7	55.8		71	37.4	8.1
58	64	HB	853	7.7	100.0		60	15.3	7.0
59	53	Aristech	844	13.3	100.0				
60	58	NL Industries	840	7.3	100.0		139	44.7	16.5
61	57	Georgia Gulf	838	10.1	100.0		171	25.4	20.3
62	62	Uniroyal Chemical	832	3.0	100.0		102	5.6	12.3
63	63	Engelhard	809	0.3	33.2		111	10.8	13.7
64	59	CF Industries	803	11.1	100.0		78	71.2	9.7
65	65	Witco	793	3.1	48.6		72	12.6	9.0
66	71	Fither	730	18.1	10.5		57	17.4	7.8
67	66	Vista Chemicals	705	1.9	100.0				
68		CBI Indusmorris	698	5.4	43.2		107	4.3	15.3
69	61	FINA	667	18.0	20.5		103	35.4	15.5
70	68	Betz Laboratories	666	11.5	100.0		119	14.3	17.9
71	73	Sterling Chemical	643	27.0	118.4		61	30.1	9.4
72	70	Merck	583	5.8	6.8		78	15.5	13.4
73	69	Loctite	561	1.1	100.0		99	0.5	17.6
74	77	International Specialty	526	2.8	100.0		141	5.6	26.7
75	78	Hülz	500	7.5	100.0				
76	80	Sigma Aldrich	498	13.2	84.5		119	14.9	23.9
77	72	Ferro	476	7.2	45.0		9	8.0	1.9
78	79	Union Camp	471	2.3	15.9		27	20.3	5.7
79	67	Kerr McGee	454	29.3	13.9		101	17.9	22.2
80			450	10.4	100.0		12	85.2	2.7
81	81	Dexter	429	2.2	45.7		3	91.4	0.8
82	82	Borden Chemical	420	0.1	100.0		93	8.4	22.0
83	76	SAN Company	415	14.6	3.5				
84	84	Stepan	414	16.3	100.0		21	9.1	5.2
85	83	Vulcan Materials	359	12.2	35.7		43	41.2	11.9
86	85	Crompts & Nozz	341	9.6	75.7		51	19.0	15.1
87		Londer	330	10.0	100.0				
88	86	First Mississippi	327	10.8	60.9		36	58.2	11.1
89	90	Mississippi Chemical	322	27.4	100.0		39	691.9	12.0
90	87	Galgon Carbon	308	8.2	100.0		61	1.9	19.9
91	88	Petrolight	305	7.7	94.1		22	32.8	7.3
92	75	Nova	263	46.3	100.0				
93	91	Georgia Pacific	223	9.7	3.7				
94	93		213	6.0	11.3		37	23.8	17.2
95	92		191	5.2	100.0		15	28.6	8.1
96	94	Sherex	168	5.4	100.0				
97	95		153	1.9	100.0		30	8.8	19.7
98	97		144	8.1	100.0		0	93.1	0.2
99	96		142	1.3	100.0		10	27.0	7.2
100	100		131	2.7	100.0				

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