

<MEK>

■

■

MEK(Methyl Ethyl Ketone)

가 91  
가

가

가  
MEK

가

가

MEK

가

92 MEK 5 9850 91 9.0% 가  
89 14.4% 가, 90 30.6% 가 91 7.9%  
92 가 91  
88~92 11.5% 93~98 6.8% 가  
89~2000 11%

MEK ( : , %)											
		1988	1989		1990		1991		1992		'88 - '92
		0	0	-	0	-	0	-	0	-	-
		39,950	45,690	14.4	59,660	30.6	54,920	-7.9	59,850	9.0	11.5
		39,950	45,690	14.4	59,660	30.6	54,920	-7.9	59,850	9.0	11.5
		39,850	45,685	14.6	59,526	30.3	54,915	-7.7	59,845	9.0	11.5
		100	5	-95.0	134	2580.0	5	-96.3	5	0.0	-
		39,950	45,690	14.4	59,660	30.6	54,920	-7.9	59,850	9.0	11.5
		-39,850	-45,685	-	-59,526	-	-54,915	-	-59,845	-	-

MEK ( : , %)														
		1993		1994		1995		1996		1997		1998		'93 - '98
		0	-	0	-	0	-	50,000	-	50,000	-	50,000	-	-
		63,920	6.8	68,266	6.8	72,908	6.8	27,857	61.8	33,151	19.0	38,806	17.1	0.9
		63,920	6.8	68,266	6.8	72,908	6.8	77,857	6.8	83,151	6.8	88,806	6.8	6.8
		63,920	6.8	68,266	6.8	72,900	6.8	77,857	6.8	83,151	6.8	88,806	6.8	6.8
		0	-	0	-	0	-	0	-	0	-	0	-	-
		63,920	6.8	68,266	6.8	72,900	6.8	77,857	6.8	83,151	6.8	88,806	6.8	6.8
		(63,920)	-	(68,266)	-	(72,900)	-	(27,857)	-	(33,151)	-	(38,806)	-	-

MEK , Tonen, Maruzene, Idemitsu  
 64.8% 3 가 ,  
 Hoechst Celanese가 1 1159 , 18.6%  
 EC 가가 9.5%, 가가 7.1%  
 3 3 8000 64.8%, Shell 1 4000 23.4%, Hoechst Celanese 4200  
 7.0%, Condea 2000 3.3% 3 Shell 가  
 가 SKM 6500 10.9%, 6500 10.9% , dealer  
 6000 10.0%, 5000 8.4%  
 Shell Idemitsu  
 95 90 , 92 2800  
 92 6 3 가 3 가

		( : , %)			
		1991		1992	
	Marubeni, Maruzene, Mc Chem Marketing Mc Chemical Marketing, Nagase, Plutus	40,330	67.6	38,759	64.8
	Hoechst Celanese	6,324	10.6	11,159	18.6
E	C	4,117	6.9	5,679	9.5
		2,088	3.5	1,935	3.2
		2,028	3.4	3,744	6.3
	:Fairchief Resources Co.				
	:Exxon Chem., Shell Pacific Ent.	8,889	14.9	4,252	7.1
		59,660	100.0	59,849	100.0

2.0%,  
 4.7%,  
 SKC 2.3%,  
 SKM 10.9%  
 Video  
 20%  
 ,  
 18%,  
 13%,  
 13%,  
 7%,  
 8%,  
 21%

MEK				
	LICENCE TYPE	CONTRACTORS		
Arco Chemical Technology	Non-exclusive		Mix-Butenes	
Atochem			2-Butanol	Dehydrogenation Process*
Costain Engineering	Restricted	Costain Engineering	2-Butanol	-Sulfation
Petroquisa/Oxiteno	Know-How and Basic Engineering	ABB Lummus Crest	2-Butanol	Dehydrogenation Process*
Maruzen Oil			"	Dehydrogenation Process* - Sulfation
Rwe-Dea/Edeleanu	Non-Exclusive		"	Dehydrogenation Process* - Sulfation - Direct Hydration
出光			"	Dehydrogenation Process* - Direct Hydration
Inst Francais Du Petrole	Non-Exclusive		"	Liquid Phase Dehydrogenation Process

MEK  
 90  
 A r c o 가  
 Channelview  
 91  
 3 3000  
 , 90

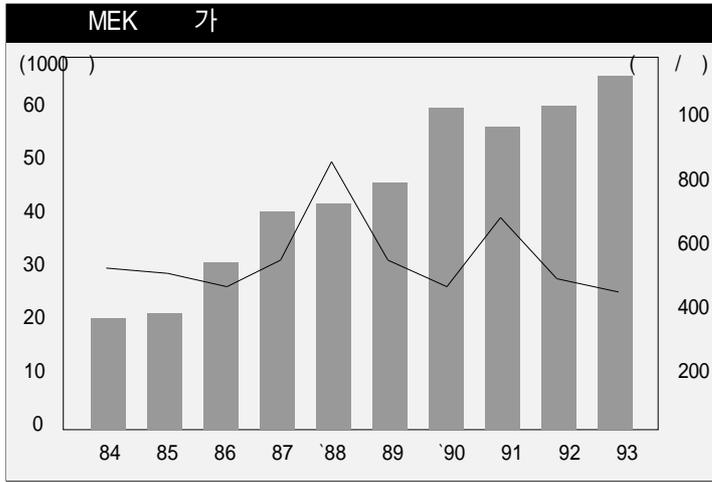
) \* : Catalytic Vapor-Phase Dehydrogenation Process

## TASCO 3

가

MEK		( : , %)									
		1988		1989		1990		1991		1992	
		246	0.6	272	0.6	104	0.2	333	0.6	350	0.6
		254	0.6	116	0.3	-	0.0	-	0.0	1,200	2.0
		286	0.7	-	0.0	-	0.0	103	0.2	650	1.1
		786	2.0	388	0.8	104	0.2	436	0.8	2,200	3.7
		130	0.3	-	0.0	1,778	3.0	-	0.0	700	1.2
		941	2.4	62	0.1	104	0.2	63	0.1	2,300	3.8
		1,156	2.9	207	0.5	311	0.5	796	1.4	1,500	2.5
		5,583	14.0	3,063	6.7	2,848	4.8	4,987	9.1	6,500	10.9
		181	0.5	-	0.0	-	0.0	-	0.0	-	0.0
		3,789	9.5	2,942	6.4	-	0.0	5,053	9.2	6,000	10.0
		435	1.1	-	0.0	-	0.0	481	0.9	-	0.0
		2,571	6.5	908	2.0	1,588	2.7	1,406	2.6	1,450	2.4
		-	0.0	-	0.0	-	0.0	104	0.2	-	0.0
		45	0.1	-	0.0	-	0.0	253	0.5	3,000	5.0
		-	0.0	-	0.0	103	0.2	102	0.2	600	1.0
		196	0.5	104	0.2	-	0.0	-	0.0	400	0.7
		-	0.0	-	0.0	199	0.3	78	0.1	-	0.0
		117	0.3	-	0.0	244	0.4	779	1.4	1,700	2.8
		-	0.0	-	0.0	-	0.0	103	0.2	500	0.8
		-	0.0	-	0.0	-	0.0	-	0.0	-	0.0
		3,888	9.8	3,314	7.3	-	0.0	4,522	8.3	4,000	6.7
		70	0.2	-	0.0	-	0.0	-	0.0	-	0.0
	SKI	-	0.0	-	0.0	-	0.0	-	0.0	400	0.7
		19,102	47.9	10,600	23.2	7,175	12.1	18,757	34.2	29,050	48.5
TAPE		764	1.9	195	0.4	117	0.2	1,010	1.8	1,200	2.0
		674	1.7	2,162	4.7	3,188	5.4	4,267	7.8	2,800	4.7
	SKC	-	0.0	1,900	4.2	2,938	4.9	2,152	3.9	1,400	2.3
	SKM	1,893	4.8	2,555	5.6	2,059	3.5	2,805	5.1	6,500	10.9
		3,331	8.4	6,812	14.9	8,302	13.9	10,234	18.6	11,900	19.9
		-	0.0	402	0.9	346	0.6	-	0.0	-	0.0
		52	0.1	-	0.0	-	0.0	-	0.0	-	0.0
		1,116	2.8	2,342	5.1	957	1.6	3,076	5.6	5,000	8.4
		-	0.0	-	0.0	-	0.0	399	0.7	-	0.0
		1,168	2.9	2,744	6.0	1,303	2.2	3,475	6.3	5,000	8.4
		179	0.4	-	0.0	-	0.0	-	0.0	-	0.0
		442	1.1	52	0.1	-	0.0	-	0.0	500	0.8
		127	0.3	771	1.7	376	0.6	-	0.0	1,500	2.5
		-	0.0	-	0.0	-	0.0	-	0.0	300	0.5
		-	0.0	-	0.0	969	1.6	1,006	1.8	2,800	4.7
		1,444	3.6	199	0.4	-	0.0	103	0.2	-	0.0
		-	0.0	-	0.0	-	0.0	-	0.0	-	0.0
		82	0.2	-	0.0	-	0.0	-	0.0	-	0.0
		13,189	33.1	24,124	52.8	41,301	69.4	20,909	38.1	6,600	11.0
		15,463	38.8	25,146	55.0	42,646	71.6	22,018	40.1	11,700	19.5
		39,850.0	100.0	45,690.0	100.0	59,530.0	100.0	54,920.0	100.0	59,850.0	100.0

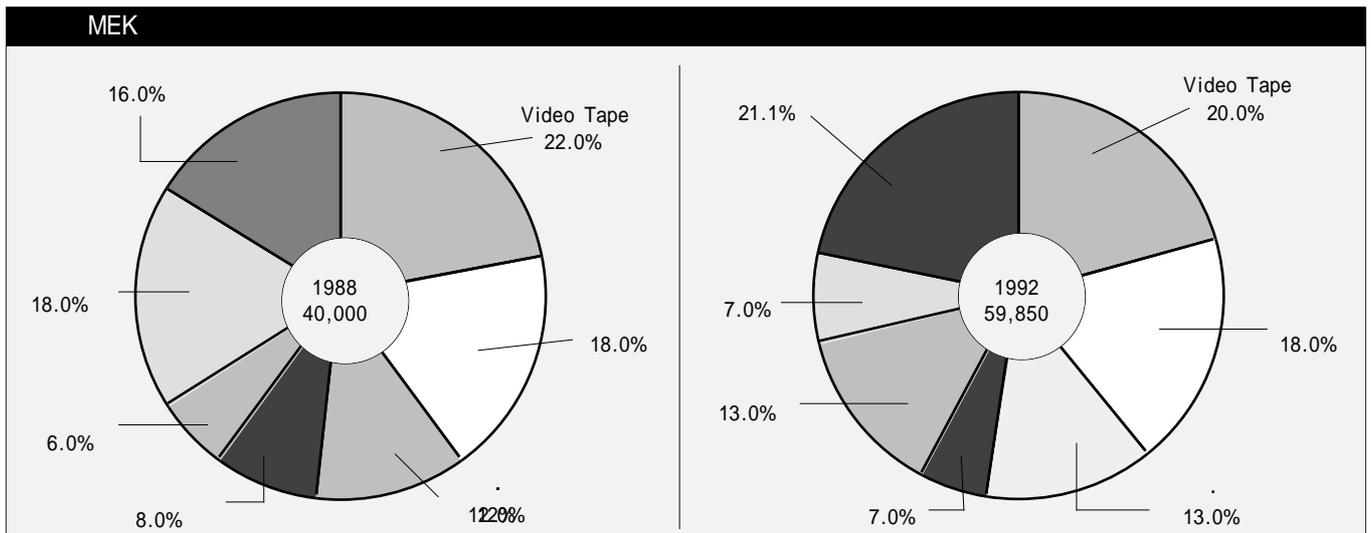
MEK 70 ~ 80 10 ~ 20  
 93 28 , 18 9300 9 7500  
 8 4700 20 , 11 5300



) 93 1/4

VOC (Volatile Organic Compound Regulation)  
 • UV-Curable,

MEK 가 44%  
 26% MEK 가  
 MEK , 5~10%  
 MEK



가

MEK 가 400~500

		( 가 )								( : MTA )	
		1985	1986	1987	1988	1989	1990	1991	1995	(%/Yr)	
										85~90	90~95
가 (%)	314.0	314.0	273.0	241.0	282.0	282.0	282.0	249.0	2.1	0.0	
	77.6	86.8	111.6	90.7	69.5	70.9	78.0	100.0			
	27.8	23.6	17.4	46.3	35.8	30.0	30.0	41.0	1.5	3.3	
	38.1	43.1	45.7	25.8	36.8	25.0	30.0	30.0	8.1	3.7	
	236.3	252.9	276.4	239.1	195.0	205.0	220.0	260.0	2.8	4.9	
	77.7	61.1	-3.4	1.9	87.0	77.0	62.0	-11.0			
가 (%)	88.0	95.0	110.0	110.0	120.0	120.0	120.0	120.0	6.4	0.0	
	85.2	84.2	72.7	81.8	83.3	83.3	83.3	83.3			
	3.4	3.0	3.3	3.5	3.1	3.0	3.0	3.0	2.5	0.0	
	58.0	62.0	62.0	70.0	79.0	78.0	77.0	69.0	6.1	2.4	
	20.0	21.0	22.0	23.0	24.0	25.0	26.0	34.0	4.6	6.3	
	68.0	74.0	88.0	87.0	96.0	95.0	94.0	86.0			
가 (%)	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	0.0	0.0	
	-	-	80.0	83.3	83.3	85.0	86.7	96.7			
	-	-	30.0	31.0	32.0	31.0	31.0	31.0	0.0	0.0	
	-	-	43.0	41.0	37.0	35.0	35.0	35.0	0.0	0.0	
	-	-	35.0	40.0	45.0	47.0	48.0	54.0	0.0	2.8	
	-	-	25.0	20.0	15.0	13.0	12.0	6.0			
가 (%)	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	0.0	0.0	
	83.3	91.7	100.0	100.0	100.0	100.0	100.0	100.0			
	17.3	17.1	14.7	8.8	10.0	10.0	10.0	10.0	10.4	0.0	
	56.0	59.4	62.8	55.1	56.0	56.0	55.0	53.0	0.0	1.1	
	11.3	12.2	12.9	13.7	14.0	14.0	15.0	17.0	4.4	4.0	
	48.7	47.8	47.1	46.3	46.0	46.0	45.0	43.0			
가 (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
	-	-	-	-	13.8	13.6	13.8	14.6	0.0	1.4	
	-	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	
	-	-	-	-	13.8	13.6	13.8	14.6	0.0	1.4	
	-	-	-	-	-13.8	-13.6	-13.8	-14.6			
가 (%)	5.0	5.0	5.0	5.0	7.0	7.0	7.0	7.0	7.0	0.0	
	48.0	70.0	116.0	136.0	100.0	100.0	100.0	100.0			
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	0.0	0.2	2.6	4.4	3.7	4.0	3.7	3.0	0.0	5.6	
	2.4	3.3	3.2	2.4	3.3	3.0	3.3	4.0	4.6	5.9	
	2.6	1.7	1.8	2.6	3.7	4.0	3.7	3.0			
가 (%)	180.0	180.0	180.0	180.0	200.0	200.0	200.0	200.0	2.1	0.0	
	67.2	77.2	88.9	97.2	86.5	89.0	90.5	96.0			
	11.0	10.0	13.0	6.0	10.0	10.0	10.0	20.0	1.9	14.9	
	45.0	61.0	78.0	78.0	85.0	85.0	85.0	85.0	13.6	0.0	
	82.0	78.0	83.0	94.0	99.0	103.0	106.0	127.0	4.7	4.3	
	98.0	102.0	97.0	86.0	101.0	97.0	94.0	73.0			
가 (%)	707.0	714.0	688.0	656.0	729.0	729.0	729.0	696.0	0.8	0.7	
	69.6	77.0	95.7	91.5	80.4	81.8	85.1	92.9			
	59.5	53.7	78.4	95.6	105.3	97.6	97.8	119.6	12.2	2.6	
	197.1	225.7	294.1	274.3	298.1	283.0	285.7	275.0	8.3	1.3	
	352.0	367.4	432.5	412.2	394.1	410.6	432.1	510.6	3.4	4.6	
	355.0	346.6	255.5	243.8	334.9	318.4	296.9	185.4			

87 가  
MEK 가  
520  
770  
1220  
가  
571  
88  
780  
1320  
1340  
가 966  
88  
MEK  
89  
740  
790  
970  
가 600  
가  
MEK  
7  
MEK 가  
90  
91  
가  
91  
1/4 909

2/4 810 , 3/4 680 , 4/4 610 , 92 1/4 ~2/4 580 , 3/4  
 ~4/4 500 , 93 1/4 480  
 가 Shell 1300 Shell 1100 TASCO  
 가 8 6 가 30 , 가  
 70 1/4 가 745DM, 가 FOB 385 가  
 573 , 가 FOB 496

( ) MTBE Raff- Deutche Texaco  
 , MEK  
 350 , 5 92 Basic Package  
 가 700~800 MEK가 1100 가 480 95  
 가 800 MEK가 가 9~12  
 가 Deutche Texaco 가 가 , 가  
 Idemitsu · Maruzene Shell · Exxon  
 가 1100~1200 3  
 가

< 1993/10/1 >