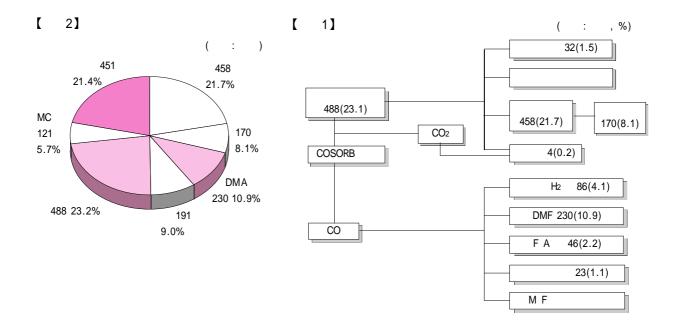
< > L г 2

가 가 15 2 3 가 34.6%(69 2860 ) 2300



1537 2109 72.9% 27.1% 572

가

MC

, , DMA

458

DMF 7 229 6500 10.9%, MA 7 32 2600 1.5%, MC 120 7000 5.7%, MCL 67 5800 3.2%, 23 3300 1.1%, 40 6700 1.9%, FFA 49 2400 2.3%, 2 5500 0.1% 498 4000 23.6%

[ 1] ( : 100 , %) 1993 1994 ( ) ( 45,758 (21.7) 50,578 (20.9) 16,987 (8.1) 800 15,993 (6.6) 4,245 (2.0) 4,337 (1.8) , CO, ( CO<sub>2</sub>,H<sub>2</sub>, 21,232 (10.1) 20,330 (8.4)  $\mathsf{D}\,\mathsf{M}\,\mathsf{F}$ 22,965 (10.9) 26,791 (11.1) 9,000 МА 3,226 (1.5) 3,582 (1.5) мс 12,070 (5.7) 16,460 (6.8) -2,900 MCL 6,758 (3.2) -1,200 7,982 (3.3) 2,333 (1.1) 2,580 (1.1) 4,067 (1.9) -200 5,578 (2.3) FFA 4,924 (2.3) 100 6,095 (2.5) ( 255 (0.1) 10,855 (4.5) :0,0. :1,774 (27) (가 , ) M M C :2,952) 49,840 (23.6) 71,941 (29.7) 45,127 (21.4) 50,000 (20.7) 33,739 (16.0) 35,261 (14.6) 6,300 (2.6) 9,351 (4.4) 902 (0.4) 800 (0.3) 4,824 (2.3) 6,848 (2.8) 48,816 (23.2) 3,300 49,209 (20.3) 210,773 (100.0) 7,800 242,058(100.0) :1,300

MC ,

 51 5000 ,
 66 ,
 プト 33

 ブト 28 9000
 プト 28

 78.0%, 87.6% 가 1 . 2 가 67 27 4000 23 가 90 15 8000 92 13 3000 2 가 가 가 UR 2~3 가 가 12 7011 , 93 12 6638 , 94 3 92 153 , 93 120 , 94 3 120 11 9541 92 가 가 29 , 12 94 2420 5800 14.8% 7\; , DMF 267 9100 [ 2] : M/T, 16.7% 가 MC가 164 6000 36.4%, MCL 18.1% 가 Chlor Alkali 가 55,000 320 60 7900 , 50,000 가 700 E D A 500 17 7400 MMC 29 5200 DETA 가 가 TETA 6,000 80 TEPA AEP 94 Cellulose 600 HPMC 93 21.7% 94 2,500 600 130 M C 20.9% 100 Babituric Acid 600 B₂ 10 10.1% 8.4% 300 300 METAC 1,000 10 23.6% 29.7% ATAC 1,700 1,400 DMF, MC, 가 , 가 94 5 320 7 5 5000 , 5 CA (Chloro- Alkali) 6000 . 130 2500

, 130 2500

Babituric Acid (10 ), 1000

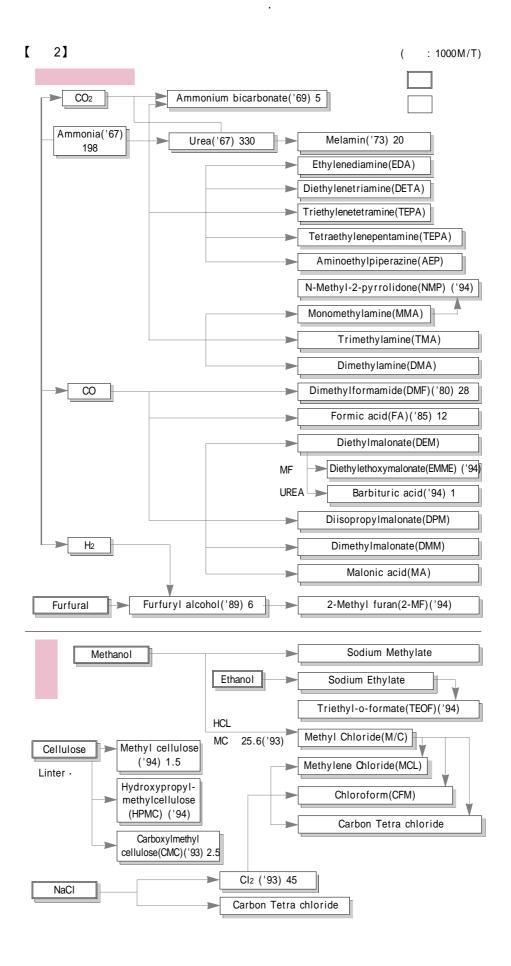
가 .

6000

80

(130 ), 600

(10)



```
가
                 가
                                                    Chloro Methane
                          가
          5
                                      , 가
                                                           1/4
                                                                         1 1000
 가
            4 4000
                                                                           PVC
      Chlorinated PP · Chlorinated PE
                                                                             가
       가 CA
                                   가
                                           가
                                                 100
                                                                             가
   가
          20
      7
                      200
       가 가
                                    EDA (Ethylenediamine), DETA (Diethylenetriamine),
TETA(Tri-ethylenetetramine), TEPA(Tetraethylenepentamine), AEP(Aminoethylenepiperazine)
                           가
         3320
                    DOW, UCC
                  EDA 44.3%, DETA 19.6%, TETA 31.0%, TEPA 3.6%, AEP 1.5%
      EDA
             DETA
                                            550
                                                           가
                                                                                   가
가
              CO
                                       Diethylmalonate(DEM)
EMMA (Diethylmalonate)
                        Babituric Acid
EMMA
4000
                                               가
                                                       90
                                                                     50%
                       가
                      EMMA
                                       가
  DEM
                 Sodium Ethylato
                                                       Babituric Acid Pyrimidine
                B2
                              Takeda
                   600
                                                  Pyrimidine
       , B2
  93
                                CMC(Carboxylmethylcellulose)
                                                                           5
                                                                               Methyl
          HPMC(Hydroxylpropylmethylcellulose)
Cellulose
                                                1500
MC
                    1000
                                                                  DOW, Wolff, Berol
                                                        Shinetsu
    가
                                가
                                     가
```

< 1994/8/1>