

<AA >

가

LPG

TPA (?)

(Acetic Acid) , / /  
/ . 가 ,  
C1 84 1 3200 89 4 7100 가, 29%  
50% TPA 3  
87 가 2 (EA)  
15 , 92 4  
가 .< 1 >

Acetic Acid  
Naptha 가 가가 , 가 가 가 ,  
Methanol Carbonylation 가 가 ,  
Acetaldehyde Naphtha , n-butane , Methanol  
Carbonylation 4 .< 2 >  
4 , Ethylene  
가 Acetaldehyde 가  
.< 1 >  
가 가 가 ,  
가

BP 가  
BP

Methanol Carbonylation .< 2 >  
Columns · Vessels · Tanks · Compressors · Exchangers  
Carbon Monooxide 15psia 9600psia

Carbonylation  
Methanol Off-Gas Surge  
9555psia 482. F  
가  
가 2 77. F  
가  
29psia  
가 가  
가

< 1> Acetic Acid ( : / )

|  | —<br>30,000 | 150,000<br>— | — | 91<br>'87- | BP ( )<br>Ethyl Acetate (20,000) |
|--|-------------|--------------|---|------------|----------------------------------|

< 2> Acetic Acid

|  | Acetaldehyde<br>Oxidation      | Naphtha Oxidation          |                           | n-Butane                   |                            | Methanol<br>Carbonylation                     |
|--|--------------------------------|----------------------------|---------------------------|----------------------------|----------------------------|-----------------------------------------------|
|  |                                | Tubular                    | Column                    | Oxdation                   | Two-Step                   |                                               |
|  | Acetaldehyde<br>Column<br>0.59 | Naphtha<br>Tubular<br>0.66 | Naphtha<br>Column<br>0.64 | n-Butane<br>Column<br>0.63 | n-Butane<br>Column<br>0.60 | Methanol & Carbon Monooxide<br>Column<br>0.66 |

가 14. F  
가  
39wt% Light  
Ends  
Light Ends Methyl Acetate Methanol/n-butyraldehyde/Ethyl Acetate/Dimethyl  
Ether/Methyl Iodide/Acetaldehyde  
Carbon Dioxide Methane 가 가  
Light Ends  
20wt%  
75% Propionic Acid

50%

< 1992/2/1>