Monsanto

FROM (NAME & LOCATION): C. Paton - B2SB

DATE : June 3, 1976

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SUBJECT : Phthalates as Capacitor Impregnants

REFERENCE :

TO : E. H. Fording

Xerox for
RHM
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MWT

I made calls on several capacitor customers last week and here is what I picked up on phthalates as PCB replacements.

1. Strongest supplier at present is Grace with DOP branded Hatcol 101 at ~$0.275/lb. in bulk. This is a "cleaned up" DOP - mainly lower moisture. U. S. Steel apparently has talked to the industry about a "super-dry" DOP at ~$0.285/lb. Reichold was mentioned as a potential supplier but I don't think any of the customers I saw have got samples from them. Exxon's DINP is out of the running because of its lower D_k.

2. Aerovox (New Bedford, Mass.) is buying a Monsanto antioxidant to use with DOP. Are you or Rubber Chemicals selling it to them?

3. Aerovox feel there is room for a supplier who offers a "clean" fluid plus the additives (ie. antioxidant + epoxide) and who understands electrical quality. Aerovox feel the price of the fluid by the time they clean it up further and put in additives is $0.35-0.38/lb.

4. From these calls I would say at least 75% of the market will switch to DOP.

5. Fire resistance is a real concern in some applications but all non-PCB candidates that look acceptable on environmental grounds have that disadvantage.

6. In the early 1980's there may well be 50% of the market using metallized film capacitors which will not need fluids.

C. Paton

CP/cc

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