GF File

FROM
(NAME—LOCATION—PHONE) E. L. Kaiser - B3NA

DATE : September 16, 1980

SUBJECT : S-900 AS A DIELECTRIC FLUID

REFERENCE : Your memo 9/15/80

cc: M. W. Farrar - T3B
J. H. Gannon
D. S. Shimamoto
D. L. Sliney
N. W. Touchette - 1730

TO : Mr. G. F. Fort

Garth, it turns out that your inquiry closely mimics a New Idea submitted by Ed Capron, a Northeast salesman, who has a few contacts with the capacitor industry. In the process of evaluating Ed's proposal, the following concerns arose:

- Phthalates that are used as dielectric fluids allegedly require special "cleaning up."
- Following the PCB withdrawal, Monsanto was incapable of technically qualifying either S-160 or S-711 as dielectric fluids.
- According to Dr. Farrar, S-900's D_k value would make it worse than DOP (as was S-711).
- Insofar as capacitors and their fluids tend to directly enter the environment, this per se phthalate use may prove detrimental to the larger volume plastics' use just as have uses in cosmetics and insecticides.

Capron's estimate of the phthalate usage in capacitors, transformers, etc. falls in a range between 25 and 40M lbs. This general volume would tempt more evaluation but the consensus of R&D and CD personnel in Plasticizer Division remains that of "very low odds of success" for S-900.

As of this writing, the plan to more seriously look at S-900's utility in dielectrics does not exist.

Ed

E. L. Kaiser

ELK:mg

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