R W Munck

Monsanto

MONSANTO INDUSTRIAL CHEMICALS CO.
800 N. Lindbergh Boulevard
St. Louis, Missouri 63166
Phone: (314) 694-1000

August 2, 1974

Mr. Louis V. Baldwin
DuPont deNemours & Company
Film Department
Industrial App. - Dev. Section
Wilmington, Delaware 19899

Dear Lou:

My apology for not following up my discussion with you, but everything was upset for me on July 2 when I had an automobile accident leaving New York City. We continued with the move as planned on July 5 and are now somewhat settled here in St. Louis. I think I have recovered from the accident but the car is still very sick. Sorry I did not get a chance to see you before leaving but I spent the time very close to you; Wilmington Medical Center.

As a follow up to our discussion, I have attached a data sheet for the various dielectric fluids. Basically, they stack up as follows:

Product	Purpose	Use
Aroclor 1016	Replaced A-1242, more biodegradable	Present capacitor line
MCS 1043	Dichlorobiphenyl, most biodegradable PCB	Possibly could replace A-1016
MCS 1489	Higher Dk	Smaller capacitors Cost reduction
MCS 1448	Monsanto phthalate ester	Comparison with DOP
DOP	Test fluid for comparison	Use by GE for non-PCB applications and others i.e., Econol, Eccol, Environol
MCS 1475	Phthalate ester base, offering comparable Dk to Aroclor	Possibly a non-PCB replacement for Aroclor phthalate ester based
MCS 1238	Hydrocarbon, offering comparable Dk to Aroclor	A good candidate for non-PCB applications

Product	Purpose	Use
MCS 1588	Hydrocarbon offering comparable Dk to Aroclor	A good candidate for non-PCB applications
MCS 1633	Hydrocarbon offering comparable Dk to Aroclor	A likely candidate for non-PCB application with cost advantages

Obviously our chemistry in the higher Dk's involves aryl sulfones. We think we have very good candidates for capacitor applications in these fluids. Our non-PCB type fluid offers no fire resistance, as with the case of other fluids being offered. Of course, the sale of the PCB types are still limited to the approved list of electrical customers. However, the non-PCB's are under no restrictions and are being tested for many applications. Please advise if you have any interest because I think in the future you will see at least a couple of these fluids in various applications with your films.

Attached is a card with my new address, so please let me hear if you have any interest.

Best regards,

J. G. Bryant

db
Attach.
cc: P. G. Benignus
R. H. Munch
W. R. Richard

Monsanto

MONSANTO INDUSTRIAL CHEMICALS CO.
800 N. Lindbergh Boulevard
St. Louis, Missouri 63166
Phone: (314) 694-1000

August 2, 1974

Mr. Hans Francke
Hercules Research Center
Lancaster Pike
Wilmington, Delaware 19899

Dear Hans:

My apology for not following up my discussion with you, but everything was upset for me on July 2 when I had an automobile accident leaving New York City. We continued with the move as planned on July 5 and are now somewhat settled here in St. Louis. I think I have recovered from the accident but the car is still very sick. Sorry I did not get a chance to see you before leaving but I spent the time very close to you; Wilmington Medical Center.

As a follow up to our discussion, I have attached a data sheet for the various dielectric fluids. Basically, they stack up as follows:

Product	Purpose	Use
Aroclor 1016	Replaced A-1242, more biodegradable	Present capacitor line
MCS 1043	Dichlorobiphenyl, most biodegradable PCB	Possibly could replace A-1016
MCS 1489	Higher Dk	Smaller capacitors Cost reduction
MCS 1448	Monsanto phthalate ester	Comparison with DOP
DOP	Test fluid for comparison	Use by GE for non-PCB applications and others i.e., Econol, Eccol, Environol
MCS 1475	Phthalate ester base, offering comparable Dk to Aroclor	Possibly a non-PCB replacement for Aroclor phthalate ester based
MCS 1238	Hydrocarbon, offering comparable Dk to Aroclor	A good candidate for non-PCB applications

a unit of Monsanto Company

Product	Purpose	Use
MCS 1588	Hydrocarbon offering comparable Dk to Aroclor	A good candidate for non-PCB applications
MCS 1633	Hydrocarbon offering comparable Dk to Aroclor	A likely candidate for non-PCB application with cost advantages

Obviously our chemistry in the higher Dk's involves aryl sulfones. We think we have very good candidates for capacitor applications in these fluids. Our non-PCB type fluid offers no fire resistance, as with the case of other fluids being offered. Of course, the sale of the PCB types are still limited to the approved list of electrical customers. However, the non-PCB's are under no restrictions and are being tested for many applications. Please advise if you have any interest because I think in the future you will see at least a couple of these fluids in various applications with your films.

Attached is a card with my new address, so please let me hear if you have any interest.

Best regards,

J. G. Bryant

db
Attach.
cc: P. G. Benignus
R. H. Munch
W. R. Richard