Monsanto

FROM (NAME & LOCATION) Gary L. Wallace-Chicago

DATE June 9, 1972

SUBJECT

REFERENCE

TO : A. G. Eades-B3NJ

cc D. H. Bechtold-C
J. R. Darby-JFQ
P. R. Graham-B3NB
A. W. Morgan-JFQ
E. M. Muschick-B3NC
W. E. Schalk-B2SL
N. W. Touchette-JFQ

RE: Technical visit to St. Louis on June 1, by Al Umhoeffer, Chief Chemist, Uniroyal, Stoughton, Wisconsin.

The objectives of the visit were twofold: To establish lines of communication between Al and our technical staff and to answer any technical questions. Based on those simplistic objectives, we were successful. Joe and Mike did an excellent job of ferreting out technical problems that Al is having due to plasticizer extraction/migration in expanded vinyl furniture upholstery. It wasn't easy. Al's personality is best described as withdrawn and his attitude as guarded. Joe, Mike, and Norm finally came up with some reformulation suggestions to mitigate his extraction problems.

Other topics included the comparison of Santicizer 79TM and DUP to other trimellitates and general purpose plasticizers as they relate to automotive fogging. Particularly effective, were Paul's slides comparing volatility and efficiency. Also, Al was quite surprised to see the effect that choice of resin has on finished product fogging.

The outdoor weathering displays went a long way to place the UV stability of Phosphate esters and antimony oxide in the proper perspective. Al was still under the impression (a fairly common one) that phosphates won't cut the mustard, after weathering.

Al Morgan discussed fire retardant testing, made some recommendations about looking at S-145 as an excellent choice with KH-45 in his plastisol and gave Al a look at the flammability testing equipment in the lab. Most of all, Al Morgan projected Monsanto's expertise in fire retardant testing and formulating and opened the door for future technical communication. Al Umhoeffer was very impressed with the degree of sophistocation and the emphasis placed on fire retardant work.

Follow up action.

Attention EMM/GLW:

1. 40°C viscosity stability data for S-140, S-145, and S-148.

2. Feasibility of using Santoset I in vinyl/acrylic type coat.

DSW 587375

3. Silica gel extraction test data for vinyl systems with and without filler.

Samples and literature have been sent to Al on all appropriate topics and products discussed.

Today gave first indication of possible improved rapport with Al. Would you believe he actually telephoned me for a purpose other than cancelling his trip?!

Gary L. Wallace

GLW/lz

DSW 587376

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