Monsanto

#157

FROM (NAME—LOCATION—PHONE) T. C. Mathis - Galt Labs - 1730 - (4-4889)

DATE : June 13, 1983

SUBJECT : STATUS OF MXP-2020 & HBT EVALUATIONS AT EVANS ADHESIVES

REFERENCE :

TO : J. A. Cannon - 1730
P. D. Craska - E3SF

CC: M. W. Farrar - 04C
N. W. Touchette - 1730
R. H. Mills - T2F
T. S. Rothrock - T2B
Z. V. Zeable - W1A
L. C. Boggs - 1730
H. W. Luebke - 1730
J. P. Selmants - Home

Tom Argiro, Technical Director of Evans Adhesives, called today (June 10) to give information on what he has done so far on the samples he received from us (XA-2020, XA-2234, XA-2235, and XA-2272). His work so far has been on MXP-2020 and XA-2272. He has worked with MXP-2020 in PVAc and EVA emulsions and in EVA hot melts for cosolvent action (to clear haze). He also tried MXP-2020 as solvent replacement in a food packaging coating. XA-2272 has been tried in EVA hot melts. Results so far are as follows:

- In the food packaging application, MXP-2020 substitution for solvent gave bonding - "a good point."

- XA-2272 "bombed out." He described the hot melt as dark and made other adverse descriptions of the melt which I am unable to accurately recall.

- In the emulsions he used low levels of MXP-2020 looking for thickening action "like Santicizer 160 might do." He is looking for preferential wetting on difficult substrates. He is finding that MXP-2020 is not what he is looking for in PVAc emulsions, but did seem to give favorable results in EVA emulsions. Here they are getting latent thickening and they are watching aging. There was a viscosity jump during 24 hours, and they are watching to see if the viscosity levels off.

- As cosolvent in EVA hot melts it seemed to give some clearing in some cases but not in others.

The above described work fits Evans' businesses. Tom said their businesses are in case and carton sealing, food packaging industry, and resin emulsions. He said they are not in pressure sensitives (I believe he meant other than EVA). In reference to XA-2234 and XA-2235, he said they do not want to lower the viscosity of their hot melts.

DSW 587293

Tom expressed a liking for working with a company like Monsanto. He said Monsanto was in the past a good supplier to them. He made it clear he is open to ideas or suggestions.

I asked Tom if he believed XA-2234 could be emulsified. I made the point that it contained few of very low molecular weights which might give migration and was at a different level of aromaticity than MXP-2020. He said he would check it out.

J. C. Mathis

TCM/gls

T. C. Mathis