Monsanto Adhesive Kelp

FROM (NAME & LOCATION) Cumming Paton - St. Louis General Offices

DATE : August 15, 1969

cc: J. R. Darby - JFQ Research
W. F. Waychoff

SUBJECT : WORK REQUESTS ON ADHESIVES

REFERENCE

TO : A. W. M. Coaker - JFQ Research
K. A. Wells

The following are the notes I took at our meeting on August 8. It was agreed that the following were the projects in order of priority:

1. Santicizer 218-A/885 efficiency data in PVAc emulsions.

2. Aroclor 5460 evaluations in hot melts:

   a) versus competitive tackifying resins.

   b) hot tack properties.

   c) melt viscosity of EVA/Aroclor 5460/wax blends versus temperature.

   d) EVA/PVAc etc. + Aroclor 5460 as hot melt pressure sensitive adhesives.

3. Santicizer 835 replacement for Borden-Arabol.

4. Hot tack improvement in PVAc/AE emulsions versus Resoflex R-296/Hercoflex 900.

5. Santicizer 465 (and replacements) in PVAc/AE emulsions versus Resoflex R-296/Hercoflex 900.

The following action is needed:

(1) (KAW/CDB/AWMC)
Review data week of August 18.

(2) (a)
CDB to write report (mid-September).

(b) (c) (d)
Await CDB's report on (a).

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(2) Continued:

(CP)
To get methods for evaluating hot tack and hot melt pressure sensitive properties.

(AWMC)
To initiate procurement of mechanized vacuum plate for film drawdown.

(KAW)
To obtain PP&R's test methods for pressure sensitive adhesives.

(3) (CDB)
To evaluate Brookfield viscosity after 24 hours at R. T. of Borden-Arabol's PVAc emulsion plasticized with blends of Santicizer 160 and DEP, DMP, HB-40, Santicizer 141 and DBP at various levels to find a replacement for Santicizer 835 and Benzoflex 9-88.

(4) (CP)
Discuss CDB's initial results with Airco in hopes of obtaining a more discriminatory test.

(AWMC)
Discuss optimum apparatus for measuring ball tack with Joe Martins at Springfield.

(5) (CDB)
To test Santicizer 465 and Santicizer 464-R prototypes versus R-296/Hercoflex 900/TOTM at a 20% level in emulsion.

Properties to be screened are:

Compatibility
Tack times
Viscosities
Adhesion/migration resistance between film and paper
Masland cold crack
Tensile/modulus/elongation

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(5) Continued

(KAW)
Recommend optimum emulsion resin for screening program.

It was agreed that Bill would take note of the likelihood of increased customer service work in addition to the above projects.

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/dbw

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