

Monsanto

File Adhes

FROM (NAME & LOCATION)

J. H. Orem - Galt Labs - 1730

DATE

October 28, 1976

cc J. J. McNamara - 1650

SUBJECT

ROMAN ADHESIVES

REFERENCE

TO

B. R. Dolimount
1650

The work done by our group on hot melt adhesives revolved around the Aroclors. It is not useable for today's markets. Use of DCHP and DPP in delayed tack or heat sensitive adhesives was developed and patented by Nashua. Other than be the manufacturer of the products, we did not contribute to this use. As you know from our discussions with Nashua, DCHP is the major component in their heat sensitive label adhesives. It was selected because of its melting point and because it has a very sharp melting point.

XA-648, the tackifier I was promoting several years ago, is no longer available. It can not now be commercialized.

A postage stamp adhesive probably does not use a plasticizer. MP&P has a formulated adhesive, Gelva S-98, that probably can be used.

By "remoistening life" of a heat seal label, I am assuming this means the number of melting/cooling cycles the adhesive can tolerate. Anyway, the number of cycles that can be endured is probably a function of the temperature of melting and the plasticizer's volatility. In this respect, DPP is probably somewhat less volatile than DCHP and Santolite MHP is lower than either of those solid phthalates.

For thermoplastic resin suggestions, ask the MPP (Gelva) people in New York. Their regional manager is quite familiar with adhesive technology.

J. H. Orem

JHO/gls

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