

Monsanto

FROM (NAME & LOCATION)

A. W. Morgan, St. Louis Research Dept.

DATE

January 24, 1968

cc:

N. W. Touchette - Res 3

SUBJECT

Water Soluble Plasticizers

REFERENCE

TO

J. R. Darby

The increased emphasis on air pollution problems has caused a shift in development research in the coatings industry toward water-based systems. For adhesive or flexible coating purposes a water soluble or miscible plasticizer is often required, and glycerin or other polyols are generally used. These materials act as humectants and often limit the utility of the finished product by swelling or migrating in high humidity conditions.

As we have discussed a major market seems to be growing for a family of plasticizers compatible with water dispersed resin systems, particularly systems which have reduced humectant properties but which are compatible in water/resin dispersions and solutions. It is felt that a basic synthesis approach is required, but a careful reevaluation of existing products might also allow some further penetration into the specialty markets. As always, I would be happy to explore this area further at any time.

A. W. Morgan

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