

Cross Index
Oil Extenders
1011-J
Tall Oil Derivatives C-1

CC:-Mr. John Marshall, Wilm. D-7014
Mr. G. W. Stegner, Wilm. D-6084
Mr. J. P. Elliott, Wilm. D-8026
Mr. J. B. Bullitt, Lab.
Mr. J. W. Iliff, Lab.
Mr. C. R. E. Merkle, Lab.
Mr. S. L. Godshalk, Lab.
Mr. H. F. Ether, Lab.
Mr. H. R. Young, Lab.
Mr. Stuart Graves, Lab.
Mr. A. L. Jordan, Chicago
Dr. R. B. Davis, Flint
Mr. H. G. Stauffer, Lab.

"INDEXED"

Je 25'53

REFERENCE COPY

NOT FOR CIRCULATION

Philadelphia Laboratory
April 2, 1946

MEMORANDUM REPORT NO. M-35.

RETURN TO MARSHALL LABORATORY LIBRARY

AROPLAZ 1379

This resin submitted by U. S. Industrial Chemicals is a medium to short oil length alkyd prepared from tall oil. It is 50% solids in mineral spirits, has a viscosity of X to Z, phthalic anhydride content of 33% on solids, and a color range between 5 and 6. By virtue of its being a derivative of tall oil it contains no reportable oil. It is priced at 11-1/2¢ delivered.

We have examined this material and find that it dries tack-free within 2 to 3 hours, is hard overnight with a slight residual tack being present, and after a few days becomes quite brittle. When made up into an enamel using W-43, it is evident that the color is too poor for a high grade white. It returns a slightly lower gloss than 80 Line white enamel using a PE alkyd resin, is slightly less hard and after a few days becomes noticeably brittle.

Aroplaz 1379 is not now available but Mr. Frazier of U.S.I. advises that it might be available in quantities in May. We would suggest that consideration of this vehicle be given for use in drum enamels, toy enamels, metal cabinet finishes, or other low quality type products where flexibility and color retention are not important. Its non-reportable feature makes it particularly attractive.

PHILADELPHIA LABORATORY

G. H. Wescott
G. H. WESCOTT

GHW:IWB

P.S.- Details may be found in Notebook #2936, pages 116-119.

G.H.W.