

Trade Sales
87 Line
Trim & Trellis Lt. & Dk. Green
KG-3401 & KG-3402
P-296 Beckosol
Reichhold Chemicals, Inc.

"INDEXED"

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Philadelphia Laboratory
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Memorandum Report No. M-53

REFERENCE COPY

TRIM AND TRELLIS GREENS

NOT FOR CIRCULATION

This report covers the work done in connection with Investigation WT-35 to utilize Beckosol P-296 (KG-3401-70% solids KG-3402-60% solids) a 64% soya oil alkyd resin manufactured by Reichhold Chemicals Inc., in Trim & Trellis Lt. and Dk. Greens.

Details of Development

P-296 was blended with RC-103 and RC-204 to shorten the oil, however, a product made with a straight substitution for RC-141 seemed satisfactory. This product retained a slight top tack, but had better through dry after overnight drying and was slightly lower in initial gloss than 87-102 and 87-103. It was necessary to remove all 348-18323 Ammonium Stearate to overcome rapid gelation in the can.

Flooding with laboratory batches containing 3% VM-7790 on the pigment was negligible, however, Philadelphia factory production varied considerably, some batches flooding to an objectionable degree. Before this problem could be overcome in the factory, it was decided by Wilmington that P-296 would be used in whites because of the better color retention inherent in soya oil resins and accordingly both the Lt. and Dk. Green reverted to manufacture with RC-141.

Release letter #922 was distributed to cover the two greens under the codes 87-674 Dk. Green and 87-675 Lt. Green. Materials have been exposed in Series 8989, Series 9008, and Series 9043.

Package stability has been satisfactory now for a period of five months. Stability study will continue and durability information from present exposures will be collected. No further work is contemplated. In the event that manufacture is again shifted to P-296 basis-flooding resistance should be increased by "hot" grinding and increasing the VM-7790 to 5% on the pigment.

Please refer to Notebook #2980 pages 31 through 50 and
52 through 55.

PHILADELPHIA LABORATORY

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