Cross References:

Refrigerator Finishes
Soya Bean Oil - H-59
Competitive Resins

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Philadelphia Laboratory
May 17, 1946

MEMORANDUM REPORT #M- 43

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SUBSTITUTION OF BECKOSOL #1307 (KC-3400) FOR RC-305 IN 700 LINE PRODUCTS

Introduction:

The increasingly critical raw material situation has limited very severely the amount of alkyd plasticisers available for use in industrial products. A large saving in soya bean oil can be realized through the general use of a competitive resin as the RC-305 replacement in 700 Line products.

Conclusion:

Based on the satisfactory performance of Beckosol #1307 as a plasticizer in 704-6735 and 704-23105 as outlined in Memorandum Report #42, we have recommended it as a pound for pound replacement on a solids basis for RC-305 in all 700 Line products wherever RC-305 is unavailable.

Discussion:

A review of all the 700 Line formulas containing RC-305 indicated that none are more critical for performance or color requirements than 704-6735 and 704-23105. Since previous development work followed by satisfactory plant production has shown Beckosol #1307 to give acceptable performance in these two whites, it was felt that very little risk was involved in releasing this resin as a general replacement for RC-305 in 700 Line products whenever a product is manufactured and insufficient RC-305 is available. In this way, only those products manufactured during this critical period will be affected.

This recommendation was covered in Release Letter No. 80-I.

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