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MONSANTO COMPANY
ORGANIC CHEMICALS DIVISION
ST. LOUIS, MISSOURI 63166

January 4, 1971

AROCLOR NEWSLETTER

As reported in the December 10, 1970 Specialist, we have received a variety of comments from the coatings industry concerning replacement products for our liquid Aroclors. In this issue of Plasticizer Patter, I want to pass on a few additional comments on coatings and also several statements which relate to the adhesives and sealants industry.

I should also say at this point that the last Specialist referred to above really should have been published as a Plasticizer Patter. The information contained in that issue which related to specific reformulations by customers should definitely be kept on a confidential basis and should be for the use of the salesman only.

Coatings Highlights

Pioneer Paint Products (Len Berlik) - Reports that a blend of Aroclor 6062 and Aroclor 5460 is being used in an acrylic coating to replace 1254. The Aroclor is being used to promote gloss as well as providing general plasticization.

Jordan Paint Company (Len Berlik) - A very small paint formulator. Has replaced Aroclor 1254 with straight 5460. Depending on their resin, this could be all right, however, we would expect a somewhat brittle coating.

Sherwin-Williams Company (Bill Morlock) - A blend of 23% Aroclor 1221 and 77% Aroclor 5460 looks best so far to replace the old 5460-1254 blend in chlorinated rubber

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coatings (this is equivalent to 60.5% Aroclor 6062 and 39.5% Aroclor 5460). A 60% blend of Aroclor 5460 and 40% Chlorowax 40 resulted in primer failure and failure in the salt water immersion test. ICI chlorinated paraffins gave a softer coating than the Aroclors and provided less chemical resistance.

Adhesives and Sealants Highlights

Illinois Adhesives (Len Berlik) - Has now approved Aroclor 5432 to be used as a replacement for Aroclor 1254 in their alkali dispersible hot melt adhesive formulation. They are pursuing adhesive formulations with low color Aroclor 5460.

Nashua - Dutch Brands Division (Len Berlik) - Has now successfully completed a large scale plant trial of their new Santicizer 885/Aroclor 1221 adhesive blend. Full scale manufacture will begin shortly. Aroclor 5460 is now the prime candidate for replacement of Aroclor 1268 in their pressure sensitive formulation.

H. B. Fuller Company (Len Berlik) - Has approved Aroclor 6062 in several epoxy and polysulfide based products. They have stated that Aroclor 6062 improves adhesion over Aroclor 1254 in an epoxy/aluminum system.

W. R. Grace (John Gannon) - Is strongly leaning toward a blend of Santicizer 261/Aroclor 5460 in a 40/60 ratio to replace Aroclor 1254.

Thiokol (Jan Smoke) - While they had previously reported that Santicizer 261 had the inside track as a replacement product for Aroclor 1254, their most recent statements imply some problems with Santicizer 261. They continue to evaluate this material along with a variety of other plasticizers from competition. They have not evaluated Santicizer 261/Aroclor 5460 blends which we believe will get around most of their problems. We will try to get

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some competitive data published on Santicizer 261/Aroclor 5460 blends as soon as possible.

Miscellaneous - Some few samples of a developmental product called Aroclor 5465 have been and are being sent to hot melt adhesive customers for evaluation. This material would be very similar to our present Aroclor 5460, however, it would have a melt point in the neighborhood of 125° C.

Willis S. Clark

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