

Joe
St. Louis - General Offices

September 26, 1966

MONSANTO/CANADA
OAKVILLE PLANT

PLASTICIZER SALES CALL REPORT

FILE

Waychoff/Pastorino/Oren/Wilde

J. S. Bagnall/R. S. Trump - Montre

J. H. Brydon - Toronto

J. R. Darby - Res. JFQ

J. O. Edmiston - Toronto

R. M. Parks

L. D. Press

H. R. Ford/T. E. Rogers

DATE OF CALL:

September 12, 1966

FOR OAKVILLE:

N. C. (Hap) Holman - P.A.

Mike Medgey - T.D.

Gard Moore - Chemist - Coated Fabrics

Frank Jung - Chemist - Electrical Compounds

Raymond Penn - Plant Manager

J. H. Brydon

L. D. Press

FOR MONSANTO:

Gard Moore, Chemist for the Coated Fabrics application is using Santicizer 160 wherever possible because of its processing benefits and particularly in calendered foam. In expanded, he usually uses 50-65% of the plasticizer as Santicizer 160 for the foaming benefits. However, the use of Santicizer 160 is, of course, not possible in automotive fabric because of fogging.

Santicizer 141 is used for light stability in critical applications.

Paraplex G-54 is used as the general purpose polymeric plasticizer at Oakville. The largest single volume application for Paraplex G-54 is in automotive body cloth. Incorporation of some G-54 along with DIDP and epoxy is required in order to meet the staining test. Paraplex G-54 is required only in this application for light colored vinyl. Of the stainants used by Fisher Body, only one, a black asphaltic stain, is really severe and it does not show up on dark colored materials.

Gard would be most happy to evaluate any material which Monsanto could supply which would have properties comparable to Paraplex G-54. Of the various properties, low temperature flexibility is the most critical. Some typical formulations involving Paraplex G-54 are as follows:

DSW 587733

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September 26, 1966

	<u>Automotive (non-staining) Body Cloth</u>	<u>Automotive Headliner</u>	<u>Domestic</u>	<u>Baby Pants</u>
Opalon 650	100	100	100	100
Paraplex G-54	25	40	40	20
DIDP-E	25			30
Santicizer 160		15		
DMODA		20		
DIOP			30	
Paraplex G-62		5	5	15
Monoplex S-73	25			
Atomite	35	30	20	
Ba-Cd-Zn Stab.	2.5	2.5	2.5	2.5
Chelator	0.5	0.5	0.5	0.5
Stearic Acid	0.5	0.5	0.5	

The automotive formulations shown pass the current Fisher Body 145°F fogging test.

Oakville has set up the Fisher Body testing apparatus in order to do evaluation work. While the apparatus is not as highly sophisticated as indicated in the Fisher Body specifications, it does appear entirely adequate. The test is employed both for formulation evaluation and for quality control of incoming materials. Gard offered to do any fogging evaluations for us if we so desire.

Discussed with Mike Madgey foam underlay for Chemstrand Astroturf. He feels that a material can be produced and sold, including duty, for the \$2.50/sq. yd. cost indicated by Chemstrand. However, there are several logistics problems which would need to be considered before any development program could be undertaken. I suggested that Oakville should work directly with Herb Friedlander at Chemstrand on this problem.

Frank Jung is the chemist responsible for electrical compounds. We discussed electrical compounds in general and specifically Corcelar 42 versus EB-40. While Frank was not familiar with all of the background, he stated that EB-20 had been evaluated several years ago and rejected primarily because of odor. He is anxious to evaluate EB-40 and will do so as soon as possible.

DSW 587734

ACTION:

J. H. BRYDON: Send sample of MB-40 to John Jung.

J. H. BRYDON: Obtain sample of Admex 752 from Gard and the formulation in which it was evaluated.

R. S. TRUMP: Forward any information you may have regarding Oakville's evaluation of MB-20 which was conducted several years ago to me.

L. D. PRESS: Investigate the possibilities of a G-54 replacement.

L. D. PRESS or J.H. OREN: Put Herb Friedlander or Tom Qualman in contact with Mike Madgeay concerning Astroturf foam underlay.

L. D. PRESS

LDP/es

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