

cc: D. H. Fechtold - Oak
G. W. Fuhrmann
F. M. Lockett - Chicago
W. B. Tappageorge
P. S. Park
W. E. Schalk/J. F. Springs
W. F. Waychoff
J. D. Wright

May 25, 1970

Mr. Karl F. Giloth
Central Solvents & Chemicals Company
2540 West Fullerton Street
Chicago, Illinois 60612

Dear Mr. Giloth:

You have received previous communications from us regarding the allegations that certain polychlorinated biphenyls (PCBs) had been found in the environment and were contaminants. Since that time, other reports concerning PCBs have been published. An examination of the PCB matter now indicates that their use in modifier and plasticizer applications may be a source of the alleged environmental contamination.

Monsanto has sold PCB-containing materials under the trade name of Aroclor. These Aroclors included:

Aroclor 1232
Aroclor 1242
Aroclor 1248
Aroclor 1254
Aroclor 1260
Aroclor 1262
Aroclor 1268
Aroclor 1465
Aroclor 1100 Series
Montar 1

Toluene or xylene blends of the above products also contained PCB.

DSW 338207

STLCOPCB4082041

Mr. K. F. Giloth

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May 25, 1970

In review of the allegations which have been made concerning PCBs, and being a concerned and responsible member of the world community, we have come to a decision to discontinue the sale of the above PCB-containing products for modifier and plasticizer applications effective August 30, 1970.

We will notify our direct customers using the above products of this decision by June 1, 1970. As a distributor of these products, it would seem appropriate that you follow the same course of action at as early a date as is feasible. A record should be kept of all customers notified, along with the dates on which the letters were transmitted.

Recognizing that this action will result in considerable effort to define replacement products on your part and on the part of your customers, we have prepared data sheets outlining suggested alternatives for most applications. Copies of these sheets for your use and for the use of your customers will be sent to you and to your regional offices prior to June 1. Additional copies may be obtained from the appropriate Monsanto regional office. A list of these sales offices is enclosed with this letter.

We regret the work that this action will create for you. However, as a responsible supplier, we feel that we have a duty to keep our customers informed on matters concerning the safe handling and use of our products. We appreciate your support in this matter. As in the past, we stand ready to assist you in any way possible.

Very truly yours,

W. E. Schalk
Director of Sales
Plasticizers

/dbw

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MONSANTO COMPANY
REGIONAL SALES OFFICES

Akron Marketing & Research Center
260 Springside Drive
Akron, Ohio
(216) 666-4111

Chicago Sales Office
3158 Des Plaines Avenue
Des Plaines, Illinois 60018
(132) 296-6668

Everett Plant
Everett Station
Boston, Massachusetts 02149
(617) 387-5010

New York Sales Office
277 Park Avenue
New York, New York 10017
(212) 922-4111

St. Louis Sales Office
800 North Lindbergh
St. Louis, Missouri 63166
(314) OX 4-1000

Wilmington Sales Office
2005 Concord Pike
Wilmington, Delaware 19803
(302) OL 8-6531

DSW 338209

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REPLACEMENT SUGGESTIONS FOR
AROCLORS 1232, 1242, 1248, 1254, 1260, 1262, 1268

The attached charts present the suggestions which Monsanto has put together for replacement of the Aroclors which we are withdrawing from the market. It should be noted that these suggestions are based primarily on their suitability to an application. The cost of using these replacements will range from being more expensive to less expensive.

DSW 338210

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REPLACEMENT SUGGESTIONS FOR MONSANTO AROCLORS

Resin	Application	Product Presently Used							Suggested Replacements
		1232	1242	1248	1254	1260	1262	1268	
Styrene butadiene rubber	Coatings					X			See chlorinated rubber, coatings for suggested starting points.
	Adhesives	X	X	X	X	X			DRP, Santicizer 160, Aroclor 1221
Polyvinyl acetate	Emulsion Adhesives	X	X	X	X				Santicizer 218-A/885, Santicizer 160, Aroclor 1221, Santicizer 148
	Hot Melt Adhesives			X	X				Santicizer 160
Other	Miscellaneous	X	X	X	X	X	X		X This is a flame retardant filler with good heat dis- tortion characteristics. Possible replacements for Aroclor 1268 might be Aroclor 5460, TPP, Phos- gard C-22-R, 2XC-20 (Development product)

A 62% Aroclor 5460/38%
Aroclor 1221 blend gives
viscosity equal to Aroclor
1254. Maximum Aroclor
5460 concentration
possible is 70%. Higher
concentrations do not
allow solution of Aroclor
5460 in Aroclor 1221.

REPLACEMENT SUGGESTIONS FOR MONSANTO AROCLORS

Resin	Application	Product Presently Used	Suggested Replacements
		1232 1242 1248 1254 1260 1262 1268	
Polysulfide	Automotive - Thermoset Acrylics	X	X
			Santlicizer 679, Santlicizer 213, Aroclor 5442 or Aroclor 5460 with Santlicizer 261 in this order. Bentonite may have to be used with Santlicizer 679 and Santlicizer 213 as a thickener.
	Light Construction	X	X
			Replace Aroclor 1248 and Aroclor 1254 with Santlicizer 261. Or use Aroclor 5442/5460 blends with Santlicizer 160/261 to replace Aroclors 1248, 1254, 1260, 1262.
Chlorinated Rubber	Coatings	X	X
			Where resistance to concentrated H ₂ SO ₄ is required, use 2/1 blend of Aroclor 5460/5442. In other applications, use 2/1 blends of Aroclor 5460 and Santlicizer 160, Santlicizer 261, Santlicizer 711.
	Adhesives	X	X
			Blends of Aroclor 5460/Santlicizer 160 or Santlicizer 261.