cc: W. K. Johnson
E. Kelly

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
FOOD AND DRUG ADMINISTRATION
WASHINGTON, D.C. 20204

June 7, 1968

JUN 20 1968

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RAM		
EPW	✓	✓

AIR MAIL

Dr. William R. Richard
Manager, Research and Development
Organic Chemicals Division
Monsanto Company
800 North Lindbergh Boulevard
St. Louis, Missouri 63166

Dear Dr. Richard:

This is a letter confirmation of our telephone conversation on June 3, 1968, concerning samples of and information on a representative series of Arochlors.

We are most appreciative that you will be able to send us 100-gram samples of the following Arochlors:

a. 1221, mixture of chlorinated biphenyls, 21% Cl.
b. 1232, mixture of chlorinated biphenyls, 32% Cl.
c. 1260, mixture of chlorinated biphenyls, 60% Cl.
d. 1262, mixture of chlorinated biphenyls, 62% Cl.
e. 4465, mixture of chlorinated biphenyls and terphenyls, 65% Cl.
f. 5442, mixture of chlorinated terphenyls, 42% Cl.
g. 5460, mixture of chlorinated terphenyls, 60% Cl.

The following information which we discussed will be very helpful: GLC data on one typical Arochlor; solubility in common organic solvents; technical bulletins on their uses and physical properties; and stability on storage.

It would also be quite useful if you could include any data you have on the elemental analysis, molecular weight range and the amount of unreacted biphenyl and terphenyl in these Arochlor mixtures. Does the chlorinated terphenyl mixtures include chlorinated m-terphenyl (1,3-diphenyl benzene) and o-terphenyl (1,2-diphenyl benzene) in addition to the p-terphenyl (1,4-diphenyl benzene)?

EXHIBIT
WBP M-25

MON-MT-008594

TOWOLDMON0003277
WATER_PCB-00000299

We thank you and Dr. Early for your cooperation in supplying these samples and information.

Sincerely yours,

A. R. Glasgow, Jr.

Dr. A. R. Glasgow, Jr., Chief
Pesticides Reference Standards
Section, Pesticides Branch
Division of Food Chemistry
and Technology

cc:
Dr. Jack D. Early
Technical Representative
Monsanto Chemical Company
1101 Seventeenth Street, N.W.
Washington, D. C. 20006

TOWOLDMON0003278
WATER_PCB-00000300

June 18, 1968

Dr. A. R. Glasgow, Jr.
Dept. of Health, Education & Welfare
Food and Drug Administration
Washington, D. C. 20204

Dear Dr. Glasgow:

We are enclosing samples of the following Aroclors, as you requested:

Aroclor 1221
" 1232
" 1260
" 1262
" 4465
" 5442
" 5460

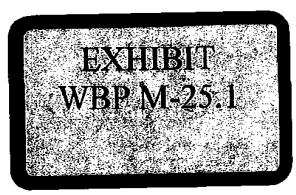
I hope they arrive in satisfactory condition.

Sincerely yours,

W. R. Richard
Manager, R & D

WRR:ms

Encs.



MON-MT-008596

7/15/

bcc: Dr. J. Karly - Wash. D.C
Dr. R. Kelly EKEL
Dr. W. K. Johnson WJOH
Dr. R. Keller JFQ
Mr. J. D. Sullivan JSUL
Dr. C. Anagnostopoulos CANA

July 15, 1968

Dr. A. R. Glasgow Jr.
Chief Perticides Reference Standards Section
Pesticides Branch Div. of Food Chemistry
and Technology
Dept. of Health, Education & Welfare
Food & Drug Administration
Washington, D. C. 20204

Dear Dr. Glasgow:

FF

I am sending Technical Bulletins "The Aroclor Polychlorinated Polyphenyls" and "Aroclor Plasticizers" under separate cover. These bulletins contain information on solubility in common solvents and physical properties. To preserve the highest quality as for dielectrical insulation use the Aroclors are best stored in opaque containers at normal storage conditions. In addition, I have included a paper on GLC analysis of Aroclors by Weingarten, Ross, Schlater and Wheeler.

The average chlorination value by weight is reflected by the last two numbers of the four digit number: i.e., Aroclor 1242 would have approximately 42% by weight of chlorine. The amount of unreacted biphenyl and terphenyl will vary inversely with the degree of chlorination. Aroclor 1221 may contain 15% biphenyl; Aroclor 1232 may contain 8% biphenyl and Aroclor 1260 will have <0.1%.

The chlorinated terphenyl products will contain a mixture of chlorinated o, m, and p terphenyl.

Sincerely yours,

W. R. Richard
Mgr., R & D

WRR:ms

MON-MT-008597

EXHIBIT
WBP M-25-2

TOWOLDMON0003280
WATER_PCB-00000302