

W. B. Papageorge - General Offices, B2NA

May 10, 1973

D. Oosthuizen - G4NN

LAMPBLACK #10
PRODUCT SPECIFICATIONS

Mr. J. M. Kuenz
1180 - Chicago

Dick Oosthuizen has informed me of Frye Copysystems' request for a copy of Monsanto's Product Specification covering Lampblack #10. I have enclosed a copy of this Specification for you to forward to the customer.

W. B. Papageorge

/bt

Enclosure

DSW 173040

20
STLCOPCB4047561

W. B. Papageorge - General Offices, E2NA

May 10, 1973

D. Oosthuizen - G4NN

SANTOCEL 68
SHERWIN-WILLIAMS

Mr. J. M. Kuenz
1180 - Chicago

In responding to questionnaires such as the one attached to the Sherwin-Williams letter of April 24 requesting information on Santocel 68, we should avoid filling out forms which imply that Monsanto has unique and unchallengeable data to offer. This is particularly true in responding to those questions that contain an element of judgment. For example, does Rule 66 apply? or under Federal Standard 313 which of the several categories best fits our product?.

I have attached copies of the Product Specification and Material Safety Data Sheet which relate to Santocel 68. The American Conference of Governmental Industrial Hygienists (ACGIH) has adopted a TLV for silicas of 20 mppcf.

Relating to metal content, we have the following:

Arsenic	< 3 ppm
Heavy Metals (Pb)	< 30 ppm
Lead (Pb)	< 10 ppm

The above represents all of the available information which could be transferred to the Sherwin-Williams form. The remaining information requested is either not applicable to Santocels or requires judgment on the part of the individual compiling the data.

Will you please forward this information to Jenson-Souders.

W. B. Papageorge

/bt

Attachments

DSW 173041

STLCOPCB4047562

May 9, 1973

Dr. Max Goldman
Remsselaer Research
1125 Peoples Avenue
Troy, New York 12181

Dear Dr. Goldman:

As you requested by telephone yesterday, enclosed is a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will arrange to have the samples you request forwarded to you.

Also enclosed is the literature I promised to send you. I hope you find it useful and informative.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

E, T, ?

DSW 173042

307

STLCOPCB4047563

Consent to

OUTGOING MESSAGE BLANK

TELECOMMUNICATIONS SYSTEM

DATE

5/9/73

TIME

9:00

SENDER'S ACCOUNT NO.

47-000-735.40

INDICATE DESIRED SERVICE → ☐ FULL RATE ☐ DAY LETTER ☐ NIGHT LETTER

Names of addressee and sender must include initials. Show complete address for telegrams and cables.

PAULINE ALDRICH
LOS ANGELES SALES OFFICE

PHOS-CHEK P/30 HAS NEVER BEEN ANALYZED FOR BROMINE CONTENT.
WOULD NOT EXPECT BROMINE TO BE MORE THAN 10 PPM AND IS
PROBABLY LESS THAN 1 PPM.

W. B. PAPAGEORGE
ST. LOUIS

IN-IR
REV. 7-64

for **BETTER service** - Forward to transmitting operator IMMEDIATELY after preparation.

306

DSW 173043

STLCOPCB4047564

May 8, 1973

Dr. Robert C. Hiltibran
Biochemist
Illinois Natural History Survey
Natural Resources Building
Urbana, Illinois 61801

Dear Dr. Hiltibran:

Monsanto's Dr. R. P. Upchurch has informed me of your request for polychlorinated biphenyl samples. I have enclosed a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will make arrangements to have samples of Aroclor 1221, Aroclor 1242 and Aroclor 1254 forwarded to you. I cannot supply samples of Aroclor 1232, Aroclor 1248, Aroclor 1260, Aroclor 1262 or Aroclor 5442 as Monsanto has discontinued the manufacture of these products and our supply of samples has been depleted.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Dr. Robert P. Upchurch

DSW 173044

STLCOPCB4047565

May 8, 1973

U. S. Government Printing Office
Washington, D.C. 20402

Gentlemen:

Please send me one copy of the publication "Water
Pollution Aspects of Street Surface Contaminants",
order number EPI 23/2: 72-081.

A check for \$3.00 covering the cost of this publi-
cation is enclosed.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173045

204

STLCOPCB4047566

May 8, 1973

Mr. R. W. King
Purchasing Manager
Menasha Corporation
Box 367
Neenah, Wisconsin 54956

Dear Mr. King:

In response to your letter dated April 10
I wish to inform you that the Therminol 55 which
your company purchases from Monsanto Company
does not contain any of the materials listed on
page 2 accompanying your letter.

If I can be of further service please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173046

305

STLCOPCB4047567

May 8, 1973

Mr. V. S. Bhaskar Rao
Regional Research Laboratory
Jorhat-6
India

Re: RRL/Pet./73.

Dear Mr. Rao:

In your letter dated April 26 you requested samples of Monsanto's polychlorinated biphenyls and indicated that if your studies were successful you would probably purchase the polychlorinated biphenyls in bulk.

Because of environmental considerations Monsanto is restricting the sale of these materials for use only as a component in dielectric fluids for transformers and capacitors. If your studies are related to these applications I would be pleased to forward you appropriate samples. If other applications are being considered it would appear that alternative materials should be tested since polychlorinated biphenyls will not be available. Will you please inform me if you are still interested in samples of polychlorinated biphenyls.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173047

STLCOPCB4047568

May 7, 1973

Mr. Richard Brongel
329 South Central Avenue
Knoxville, Tennessee 37920

Dear Mr. Brongel:

I am enclosing copies of literature pertaining
to polychlorinated biphenyls as you requested.

I hope you find these publications interesting
and informative.

If I can be of further service please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt,

Enclosures

E, T, X, Z, AA

DSW 173048

STLCOPCB4047569

May 7, 1973

Dr. Marshall W. Anderson
N.I.E.H.S.
P. O. Box 12233
Research Triangle Park,
North Carolina 27709

Dear Dr. Anderson:

I am pleased to send you a copy of Monsanto's
"Presentation To The Interdepartmental Task
Force on PCBs" as you requested.

If I can be of further service please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

W

DSW 173049

STLCOPCB4047570

May 7, 1973

Dr. A. Cantoni
Research Development and
Engineering Manager
Electrochemical Industries
(Frutarom) Ltd.
Haifa, Israel

Dear Mr. Cantoni:

Enclosed is a copy of "Polychlorinated Biphenyls
and the Environment" prepared by the Interdepart-
mental Task Force on PCBs that you requested
from Mr. Herbert A. Nelson of Monsanto's Texas
City plant.

If I can be of further service please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Mr. H. A. Nelson
Texas City

DSW 173050

STLCOPCB4047571

May 7, 1973

Mr. E. J. Temple
101 Granby Street
Bloomfield, Connecticut 06002

Dear Mr. Temple:

I am enclosing a copy of Monsanto's methodology for the determination of polychlorinated biphenyls as you requested. I hope you find it useful and informative.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure



DSW 173051

STLCOPCB4047572

May 7, 1973

Mr. G. M. Telling
Unilever Research
Colworth/Welwyn Laboratory
Unilever Limited
Colworth House
Sharnbrook Bedford
England

Dear Mr. Telling:

I have received your letter of May 2 requesting a copy of Monsanto's "Presentation To The Inter-departmental Task Force on PCBs" and am pleased to send you a copy of this publication.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

W

DSW 173052

STLCOPCB4047573

May 7, 1973

Mr. Paul T. La Rocca
Department of Pharmacology
and Toxicology
University of Rhode Island
Kingston, Rhode Island 02881

Dear Mr. La Rocca:

I have received your letter of April 3 requesting samples of pure PCBs. Monsanto's PCB products are commercial mixtures marketed under the Aroclor® trademark. I believe that Analabs, Inc., 80 Republic Drive, North Haven, Connecticut can be of help to you in obtaining pure PCB samples.

I am enclosing copies of literature pertaining to PCBs which I hope you find interesting and informative.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

E, M, T, X

DSW 173053

STLCOPCB4047574

May 7, 1973

Ford Motor Company
Rec. B, Bldg. 5, RM Lab
21500 Oakwood
Dearborn, Michigan 28124

Attention: Aspinall/March

Gentlemen:

Enclosed is the completed Michigan Mandatory
Reporting of Critical Materials form covering
Monsanto's Pydraul 50E. I hope this will
fulfill your needs.

If I can be of further service please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

bcc: C. Paton - B2SC
W. Slowikowski - Detroit

DSW 173054

STLCOPCB4047575

May 7, 1973

Mr. J. S. Waid
Botany Department
University of Canterbury
Christchurch 1, New Zealand

Dear Mr. Waid:

I have received your letter of April 2 requesting
a sample of Aroclor 1242 and am forwarding this
sample to you under separate cover.

If I can be of further service please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1242 s/n 15-87

DSW 173055

STLCOPCB4047576

May 7, 1973

Dr. James E. Marion
Director of Research
Gold Kist Research Center
2230 Industrial Boulevard
Lithonia, Georgia 30058

Dear Dr. Marion:

I have received your letter of April 23 requesting samples of Aroclor 1254 and Aroclor 1260. I am enclosing a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will send you a sample of Aroclor 1254. I regret I cannot send samples of Aroclor 1260 or Aroclor 1262 but Monsanto has discontinued the manufacture and sale of these products.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173056

STLCOPCB4047577

May 7, 1973

Mr. William L. Reichel
Fish and Wildlife Service
Bureau of Sport Fisheries and Wildlife
Patuxent Wildlife Research Center
United States Department of the Interior
Laurel, Maryland 20810

Dear Mr. Reichel:

I have received your letter of April 16 requesting askarel samples. Enclosed is a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will make arrangements to have the samples you request forwarded to you.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173057

STLCOPCB4047578

May 7, 1973

Dr. G. Vidacs
Poison Lab Inc.
1469 South Holly
Denver, Colorado 80222

Dear Dr. Vidacs:

Enclosed is the Request for Sample Quantity of Product Containing PCBs that I offered to send you. If you will return the completed form to me I will make arrangements to have the samples you request forwarded to you.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173058

290
STLCOPCB4047579

May 7, 1973

Mr. S. L. Burks
Reservoir Research Center
Life Sciences West 427
Oklahoma State University
Stillwater, Oklahoma 74074

Dear Mr. Burks:

I have received your request for samples of
Aroclor 1242 and Aroclor 1254 and am forwarding
these samples to you under separate cover.

If I can be of further service please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1242 } 1586
A-1254 }

DSW 173059

589

STLCOPCB4047580

May 7, 1973

Dr. James E. Alexander
Senior Research Scientist
Chemical Oceanography
New York Ocean Science Laboratory
Drawer EE
Montauk, New York 11954

Dear Dr. Alexander:

I have received your request for a sample of Aroclor 1254 but note that the sample request form was not signed. I am returning this form to you for proper signature.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173060

STLCOPCB4047581

May 7, 1973

Mr. Richard Richards
Bradley Vrooman
2629 South Dearborn
Chicago, Illinois 60616

Dear Mr. Richards:

Enclosed is a copy of Monsanto's PCB analytical methodology as you requested by Dr. J. R. Darby.

I hope you find it useful. If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: J. R. Darby



DSW 173061

STLCOPCB4047582

W. B. Papageorge - General Offices, B2NA

May 5, 1973

R. D. McDaniel - B2SJ

J. R. Murphy - G4NN

LAMPBLACK B-5
FEDERAL SPECIFICATION

Ms. Charlyn Barth
1460 - Houston

In responding to McKesson Chemical's inquiry, will you please inform them that Monsanto's Lampblack B-5 does not meet federal specification TT-P-350b. Our Lampblack BTA does meet this specification.

The federal specification also requires the material be furnished in one-pound bags. As you know, our standard package is a twenty-pound bag. However, on request we have packaged in one-pound containers.

W. B. Papageorge

/bt

DSW 173062

STLCOPCB4047583

May 4, 1973

Mr. John Hesse
Michigan Bureau of
Water Management
Mason Building
Lansing, Michigan 48926

Dear Mr. Hesse:

Enclosed is a copy of the NEMA Official Standards
Proposal which I hope you find interesting and
informative.

If I can be of further service please do not hesi-
tate to let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

WBP

DSW 173063

STLCOPCB4047584

May 4, 1973

Mr. Perry Lankford
Bernard Johnson, Inc.
5050 Westheimer
Houston, Texas 77027

Dear Mr. Lankford:

Enclosed is the copy of the NEMA Official Standards Proposal that I promised to send you last week. I hope you find it interesting and useful.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

BB

DSW 173064

STLCOPCB4047585

May 4, 1973

Mr. William P. Ward
Plant and Environmental
Engineering Section
EAS Building
General Motors Technical Center
Warren, Michigan 48090

Dear Mr. Ward:

I have enclosed a Request for Sample Quantity of Product Containing PCBs as you requested last week. If you will return the completed form to me I will make arrangements to have the samples you request forwarded to you.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173065

28E

STLCOPCB4047586

May 4, 1973

Mr. F. J. Vernberg
Baruch Institute
University of South Carolina
Columbia, South Carolina 29208

Dear Dr. Vernberg:

I have enclosed a Request for Sample Quantity of Product Containing PCBs as you requested last week. If you will return the completed form to me I will make arrangements to have the samples you request forwarded to you.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173066

STLCOPCB4047587

May 4, 1973

Ms. Mary A. Appelhof
Environmental Health Committee
South Central Michigan Health
Planning Council
R.R. 1, Box 249
Three Rivers, Michigan 49093

Dear Ms. Appelhof:

Your letter dated April 26 was forwarded to me for response since I have been intimately associated with the polychlorinated biphenyl environmental situation.

With increasing evidence that polychlorinated biphenyls were being identified as environmental contaminants and that some mammals, birds and marine life were being affected, Monsanto began in 1970 a program to terminate the sales of PCBs to those applications for which alternative materials were available. The program has now been successfully completed and sales of polychlorinated biphenyls are restricted to dielectric uses in electrical capacitors and transformers in which the polychlorinated biphenyls are hermetically sealed in metal containers. This application is being continued because there are no known fire resistant fluids which can perform in this service. It is our considered opinion, and also of representatives of governmental regulatory agencies, that the fire resistant benefits derived from this application far outweigh the adverse consequences to the environment in the event of an accidental spill. To further minimize environmental impact the fluids we now market have been modified to eliminate the more persistent isomers. Monsanto's total program is based on its desire to dramatically reduce further contamination of the environment and it is an action which we believe any responsible manufacturer would have taken.

DSW 173067

STLCOPCB4047588

Ms. Mary A. Appelhof
May 4, 1973
Page 2

The problem of disposing of solid wastes containing polychlorinated biphenyls continue to plague us. Ideally, disposal should be made by exposing the waste to high temperature incineration. Unfortunately, we have not been able to locate commercial incinerators capable of reaching the high temperatures required. Additionally, the problem of segregating and collecting the waste material still remains to be solved. Lacking proper incineration, the only recourse available is the use of authorized, properly-managed dry landfills. It is our considered opinion that, as long as the polychlorinated biphenyl waste is not exposed to water and thereby transported, adverse effects to the environment will be essentially eliminated.

I am including copies of pertinent reports in the event you have not had the opportunity to review them. I hope you find these comments helpful and if I can be of further service please do not hesitate to let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

W, X, BB,

May 4, 1973

Mr. William S. Arnold
Speciality-Materials Information
Engineering Materials & Processes
Information Operation (EMPIS)
Building 36-441
General Electric Company
One River Road
Schenectady, New York 12305

Dear Mr. Arnold:

I have received your letter dated March 12 requesting a review of several specifications, one of them being specification D4K3-S1. This specification applies to solutions of Mono-Aluminum Phosphate and Aluminum Phosphate.

Since Monsanto has terminated the sale of these products, a review of your specification by Monsanto would not be appropriate.

I hope Monsanto's withdrawal from the market does not seriously inconvenience you. If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173069

STLCOPCB4047590

W. B. Papageorge - General Offices, B2NA

May 4, 1973

W. F. Symes - N1A

MATERIAL SAFETY DATA
SHEET - DEQUEST XK

Mr. R. D. Hogue
N1A

We have received requests for Material Safety Data Sheets (OSHA-20) for Dequest XK. Since your department has all of the basic information required, may I impose upon you to initiate the preparation of this document.

W. B. Papageorge

/bt

DSW 173070

STLCOPCB4047591

May 4, 1973

Mr. Paul Miller
Herbert Chemical Company
300 Murray Road
Cincinnati, Ohio 45217

Dear Mr. Miller:

Enclosed are two copies of the Material Safety
Data Sheet covering Monsanto's Syton EZ-50 as
you requested from Monsanto's C. H. Matzek.

If I can be of further service please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

DSW 173071

STLCOPCB4047592

May 4, 1973

Mr. D. F. McCartney
The Goodyear Tire &
Rubber Company
Post Office Box 570
Union City, Tennessee 38261

Dear Mr. McCartney:

Enclosed is a Material Safety Data Sheet covering
Monsanto's Lampblack 10X as requested in your
letter of April 12.

If I can be of further service please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173072

STLCOPCB4047593

May 4, 1973

Mr. Ralph Eubank
J. Ray McDermott
P. O. Box 60035
1010 Common Street
New Orleans, Louisiana 70160

Dear Mr. Eubank:

Attached is a summary of toxicity information on Therminol 66 which you requested. I hope you find it useful.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Attachment

bcc: J. J. Roder

J. Roder: Mr. Eubank claims his customer has a PCB off-shore unit in Indonesia. Supplier of PCB cut him off without prior warning.

DSW 173073

STLCOPCB4047594

May 4, 1973

Dr. Henry Hildebrand
University of Corpus Christy
Corpus Christy, Texas 78411

Dear Dr. Hildebrand:

At Mr. Harold Krivoy's request I have enclosed
copies of articles relating to polychlorinated
biphenyls.

I hope you and your staff find these reports
both interesting and informative.

If I can be of further service please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

E, m, o, t, u, w, x, y, z, AA,

DSW 173074

STLCOPCB4047595

bcc: J. DiTommaso - 1410
C. Matzek - B2SJ
R. D. McDaniel - B2SJ
E. L. Moore - B2SJ
H. Teicher - N1A

May 4, 1973

Mr. Don Lehmkuhl
Inmont Corporation
1754 Dana Avenue
P. O. Box 17
Cincinnati, Ohio 45207

Dear Mr. Lehmkuhl:

I have reviewed your specification No. A-DS0605FC dated February 21, 1972 and relating to Monsanto's DP Solution. I have the following modifications to propose:

<u>Property</u>	<u>Target Value & Limits</u>
2.1 Color, Gardner	8.0 Max.
2.2 Sp. Gr. 25°C/25°C	.960 Min.
	.980 Max.

<u>Property</u>	<u>Typical Value</u>
3.1 Appearance	Pale, straw-colored liquid
3.2 Sp. Gr. 25°C/25°C	0.970
3.3 Non Volatiles, 105°C, %	42.0

We do not determine the Refractive Index of this product but I believe the % Non Volatiles will serve as an appropriate indicator.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

cc: J. D. Courtney
Detroit Sales Office

DSW 173075

276

STLCOPCB4047596

May 3, 1973

Mr. Ray Baker
Hydro Research Laboratories
408 Auburn
Pontiac, Michigan

Dear Mr. Baker:

Enclosed is the Request for Sample Quantity of Product Containing PCBs that you requested from Monsanto's E. S. Tucker. If you will return the completed form to me I will make arrangements to have the samples you request forwarded to you.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

bcc: E. S. Tucker

DSW 173076

STLCOPCB4047597

W. B. Papageorge - General Offices, B2NA

May 3, 1973

D. C. Dieterich - 1150
J. E. Eldridge - 1150
E. L. Moore - B2SJ
J. J. Zeman - B2SB

Mr. H. Teicher
NIA

Attached are bone meal specifications prepared by Ed Moore. Under "Procedure" we have written in the Camden procedures that are currently used. Emerson Eldridge informs me no other tests are presently made and that procedures for the proposed characteristics are not available.

Will the Research Department recommend the appropriate methodologies.

W. B. Papageorge

/bt

Attachment

DSW 173077

STLCOPCB4047598

W. B. Papageorge - General Offices, B2NA

May 3, 1973

C. Matzek
E. L. Moore - B2SJ
H. Teicher - N1A

AMORPHOUS SILICA -- BUREAU
OF ENGRAVING AND IMPRINTING

Mr. R. D. McDaniel
B2SJ

I have reviewed the attached Bureau of Engraving and Imprinting solicitation with Harry Teicher who informs me that we have been receiving similar documents annually for many years.

It is Harry's opinion that the specifications for the material desired are tailored to meet W. R. Grace's Syloid 38. Our current Santocel process cannot produce material which will meet the required properties. I understand samples of our Santocels have been tried by the Bureau of Engraving and Imprinting and have not been acceptable.

It appears that this application is not large enough to justify any concerted effort to modify our manufacturing process to produce acceptable material.

W. B. Papageorge

WBP/bt

DSW 173078

STLCOPCB4047599

W. B. Papageorge - General Offices, B2NA

May 3, 1973

Messrs.

W. L. Merman
J. DiTommaso
W. F. Symes
R. D. McDaniel

Attached is a copy of a revised Finished Product Specification for Santocel A showing changes in particle size. These changes were approved during our meeting in February.

Joe DiTommaso and I have reviewed customer and military specifications and found no references to particle size which would be affected by this change.

Please approve the master copy and forward it to the remaining signatories.

W. B. Papageorge

/bt

Attachment

DSW 173079

270

STLCOPCB4047600

W. B. Papageorge - General Offices, B2NA

May 2, 1973

GENERAL ELECTRIC SPECIFICATION
SILICA AEROGEL

E. Kimball	- 1410
R. D. McDaniel	- B2SJ
E. L. Moore	- B2SJ
H. Teicher	- H1A

Mr. J. DiTommaso
1410

We have been asked by Mr. William S. Arnold, General Electric, Schenectady, New York, to comment on the attached Silica Aerogel specification. I would appreciate your review and comments, particularly relating to items a) through d) in Mr. Arnold's letter.

W. B. Papageorge

/bt

Attachment

DSW 173080

STLCOPCB4047601

W. B. Papageorge - General Offices, B2NA

May 2, 1973

GENERAL ELECTRIC SPECIFICATION
LAMPBLACK

D. C. Dieterich - 1150
R. D. McDaniel - B2SJ
E. L. Moore - B2SJ
H. Teicher - N1A

Mr. J. Emerson Eldridge
1150 - Camden

We have been asked by Mr. William S. Arnold, General Electric, Schenectady, New York, to comment on the attached Lampblack specification. I would appreciate your review and comments, particularly relating to items a) through d) in Mr. Arnold's letter.

W. B. Papageorge

/bt

Attachment

DSW 173081

STLCOPCB4047602

W. B. Papageorge - General Offices, B2NA

May 2, 1973

D. R. Hansen - 1800
B. G. Tibbetts - B2SE

OSHA - SCRIPSETS

Memo, DHL to WBP, 4/30/73

Mr. Dennis H. Lewis
1180 - Chicago

Your request for OSHA data sheets relating to Scripsets and Limit 33 was forwarded to B. G. Tibbetts for response.

Until further notice the product groups in St. Louis will supply these information sheets to customers upon request. Data sheets for new products should be available from the producing locations. If the location managers do not have a sheet prepared they should contact the appropriate research representative who should have all the pertinent data.

W. B. Papageorge

/bt

DSW 173082

STLCOPCB4047603

May 2, 1973

SANTOTHERM/THERMINOL LABELS

Memo, GRS to WBP, 4/10/73

Mr. G. R. Sido
G4EC

A. E. Meadowcroft - 5040
C. Paton - B2SC
J. F. Stapleton - B2SA
E. P. Wheeler - A2SA

A. E. Meadowcroft's proposed label text uses language we had previously considered (copy of memo dated February 28, 1972 is attached) and had delayed implementing pending further clarification of the U.S. F.D.A. definition of "harmful and deleterious" heat transfer media. The F.D.A. no longer uses the words "harmful and deleterious" in referring to heat transfer fluids which have replaced the PCB types. We are now ready to use the new text.

As you know, we no longer sell PCB type heat transfer fluids. However, we still believe it is appropriate to caution the user that heat transfer fluids intended for indirect heating should not contaminate food, feed, pharmaceuticals or any item which may directly or indirectly be ingested by humans.

Label 1150/53 was designed to be used with PCB/PCT plasticizers and heat transfer fluids and contains the words "DO NOT USE IN ANY SYSTEM INVOLVING PROCESSING OR HANDLING OF: Food or food related products; Food wrapping or container materials; Pharmaceuticals or Animal feed stuff." This wording is not appropriate since the non-PCB heat transfer fluids are used in systems processing and handling food, feed, etc.

Please proceed with the label revision proposed by Mr. Meadowcroft for the following products:

Santotherm 44
Santotherm 55

Santotherm 66
Santotherm 88

Also, please use the same text (except for the substitution of Therminol wherever Santotherm appears) for the following products produced in the U.S.:

Therminol 44
Therminol 55
Therminol 60

Therminol 66
Therminol 88

DSW 173083

Mr. G. R. Sido
May 2, 1973
Page 2

Since the Therminols are exported, the text should be
in four languages; English, French, Spanish and German.

W. B. Papageorge

/bt

Attachment

DSW 173084

STLCOPCB4047605

May 2, 1973

Mr. J. A. Struthers
Designed Products Department
Dow Chemical U.S.A.
2040 Dow Center
Midland, Michigan 48640

Dear Jim:

Individuals within EPA with whom we have discussed Penta are as follows. The titles I have listed are probably not current because of recent changes in EPA assignments.

Edward Johnson, Acting Assistant Deputy Administrator, Pesticides

Douglas Compt, Acting Director, Pesticide Registration Division

Thomas Adamczyk

Don Dalrymple

Henry Korp, Director, Pesticide Registration Div.

C. W. Collier, Criteria and Evaluation

H. Fairchild, Criteria and Evaluation

I would appreciate receiving from you the names of other EPA representatives who are involved.

Regards.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

cc: Mr. H. S. Bergen

DSW 173085

STLCOPCB4047606

May 2, 1973

Mr. Jack Conway
BASF Wyandotte
100 Cherry Hill
Parsippany, New Jersey 07054

Dear Mr. Conway:

Enclosed is a copy of Monsanto's methodology
for the determination of polychlorinated biphenyls
as you requested the other day.

If I can be of further service, please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure


DSW 173086

STLCOPCB4047607

W. B. Papageorge - World Headquarters

May 2, 1973

Mr. T. W. Oneson
Montreal

I have forwarded to you today under separate cover 12 copies of the presentation to the Ontario Hydro Electric Commission as you requested by your wire of April 30. The remaining copies requested will be sent as soon as they have been printed.

W. B. Papageorge

/bt

DSW 173087

STLCOPCB4047608

May 2, 1973

Mr. R. D. Barnes
Supervisor, Dominion Customs Appraiser
Department of National Revenue
P. O. Box 6092
Station "A"
Montreal, Quebec
Canada

Re: M4585-81(JM)
MC B 4727

Dear Mr. Barnes:

Your letter dated April 13 indicated that Mr. J. Monette had not received my response to his letter dated February 20.

I regret any inconvenience we might have created by the delay, but after conducting an analysis of currently produced material, I was able to reply by letter on April 4. A copy is attached.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Attachment

bcc: J. Brydon
A. R. Handleman

DSW 173088

262

bcc: J. F. Stapleton

May 2, 1973

Dr. A. Pozefsky
General Electric Company
Industrial & Power Capacitor
Products Department
John Street
Hudson Falls, New York 12839

Mr. E. L. Raab
General Electric Company
Transformer Division
Building 11-223
100 Woodlawn Avenue
Pittsfield, Massachusetts 01201

Gentlemen:

A recent incident in which askarel fluid in a transformer on its way to the customer was permitted to drain onto farmland dramatically highlights the need for specific instructions that can be made available to private and public carriers to instruct them in the proper handling of askarels during emergency conditions.

I recommend that your two committees jointly consider appropriate guidelines that would apply to this type of situation and which would be included in the ANSI Committee C-107 askarel guidelines.

Sincerely,

W. B. Papageorge
Chairman
ANSI Committee C-107

WBP/bt

cc: Mr. P. B. Benignus
Steering Committee Chairman
ANSI Committee C-107

Mr. A. M. Salazar, Secretary
Transformer Section
and ANSI C-107

DSW 173089

STLCOPCB4047610

W. B. Papageorge - General Offices, B2NA

May 2, 1973

DEQUEST - ENVIRONMENTAL
ACCEPTABILITY
Memo, CSA dated 4/23/73

E. K. Brakebill - B2SG
W. R. Eberhardt - E1SA
J. S. Metcalf - B1NC
P. S. Park - B2SA
R. G. Pier

Mr. C. S. Alack
B2SB

Your proposed program to involve key customers in future
Dequest environmental considerations seems appropriate.

I have the following comments to offer:

1. I believe that once you discuss the environmental acceptability of Dequest with your key customers you will be obligated to share the same type of information with all of the remaining Dequest customers.
2. In striving for agreement with your key customers regarding the type to programs to undertake and what information, if any, is shared with governmental agencies, we must avoid any commitments that would prevent Monsanto from acting independently should we decide that we must take additional actions if we are to remain responsible.

W. B. Papageorge

/bt

DSW 173090

STLCOPCB4047611

W. B. Papageorge - General Offices, B2NA

May 2, 1973

FREE MALEIC ACID AND
MALEIC ANHYDRIDE IN EMA

Messrs.

C. S. Alack - B2SB
E. L. Moore - B2SJ
G. D. Nelson - N1A
S. Vazopolos - N1A

C. Deatherage - S3C
J. J. Freeman - S3C
R. K. Hartman - 1560
W. H. Haynes - S4A
Shengen Hu - N1A
J. W. Jewell - S4B
J. Q. Snyder - N1A
W. F. Symes - N1A

In their memo dated April 6, Claudette Deatherage and John J. Freeman were helpful in focusing on the confusion which seems to exist relating to the determination of the presence of free maleic anhydride and free maleic acid in our EMA products. It seems to me that resolution of this confusion cannot be made until some basic questions are answered by appropriate functional groups.

The questions that occur to me and the functional group which I believe is best prepared to respond are as follows:

1. Marketing --

What are the needs of our customers relating to the presence of free monomers?

2. Research --

Which monomer and in what quantities is most significant in characterizing our product?

3. Process Research --

Is the EMA process capable of producing a product which can satisfy 1 and 2 above?

4. Manufacturing --

Can the producing units at Luling and Texas City, following the approved process, produce a product which can meet the monomer requirements?

I am aware that Shengen Hu, W. M. Haynes and J. W. Jewell are currently reviewing a proposed Polaroid procedure. However, I understand this procedure is intended to determine the amount of maleic acid present. Will it satisfy our total needs.

DSW 173091

259

STLCOPCB4047612

May 2, 1973
Page 2

I would appreciate comments from all recipients.

W. B. Papageorge

/bt

DSW 173092

STLCOPCB4047613

W. B. Papageorge - General Offices, B2NA

May 1, 1973

DOCUMENT APPROVALS

Memos, JSM Dated 3/15 & 3/26

Mr. J. S. Metcalf
BlNC

Attached are the summaries of the approvals presently practiced within the Functional Product Groups.

W. B. Papageorge

/bt

DSW 173093

STLCOPCB4047614

W. B. Papageorge, B2NA

May 1, 1973

Toxicity Studies
Product Identification

G. F. Fague, B2SE
T. L. Gossage, B2SL
W. R. Richard, T3A
G. J. Levinskas, A2SA
E. P. Wheeler, A2SA

Dr. C. Paton
B2SC

To avoid confusion and possible embarrassment, toxicity studies of those products which are or could be marketed under more than one trademark (e.g., plasticizer HB-40, Therminol 66, Santosol 340, reactor grade HB-40) should be conducted under an MCS or RPC number available from the Research Department.

I propose that this approach be adopted immediately.

William B. Papageorge

WBP/paj

DSW 173094

STLCOPCB4047615

May 1, 1973

Mr. P. Lombardo
Chemical Industry Practices Branch/BF-424
Division of Chemical Technology
Department of Health, Education, and Welfare
Food and Drug Administration
Washington, D. C. 20204

Dear Mr. Lombardo:

I regret I cannot send you the sample of Aroclor 1268 which you requested. Monsanto terminated the manufacture of this particular PCB mixture in 1970 and our supply of samples has been depleted. I hope the lack of material does not seriously inconvenience you.

Aroclor 4465 was produced by blending Aroclors 1268 and Aroclor 5460.

If I can be of further service please let me know.

Sincerely,

William B. Papageorge
Manager, Product Acceptability

WBP/paj

DSW 173095

556

W. B. Papageorge, E2NA

May 1, 1973

Cooper Tire and Rubber Company
Lampblack 10X Specifications

D. C. Dieterich, G2NA
C. Matzek, 1010
R. D. McDaniel, E2SQ

E. L. Moore, B2SJ
H. Teicher, N1A

Cooper has requested approval of the attached specification for lampblack 10X. It appears to me that we can comply. A copy of our "Product Specification" is attached.

May I have your comments? Note references to ASTM Standards and "Vendor's Quality Control Report".

William B. Papageorge

WBP/paj

Attachment

DSW 173096

STLCOPCB4047617

W. B. Papageorge, B2NA

May 1, 1973

C. S. Alack, B2SG
T. G. Iversen, 1650

EMA 31
Acute Toxicity Information

F. B. Klemencic, 1650

Attached is a summary of the available EMA-31 toxicity information.

William B. Papageorge

WBP/paj

Attachment

DSW 173097

STLCOPCB4047618

EMA-31
(Ethylene Maleic Anhydride-Linear Grade)
Lot TB2-31090
Acute Toxicity Screen

SUMMARY

Acute Oral LD₅₀ - Rats - Mixed Sex - 25% Suspension in Corn Oil.
4450 MG/kg. Classed as slightly toxic.

Acute Skin Absorption Minimal Lethal Dose - Rabbits - Mixed Sex -
Clipped Intact Skin - 40% Aqueous Solution-Suspension.
>7940 mg/kg. Classed as practically non-toxic.

Acute Skin Irritation - Rabbits - Mixed Sex - Clipped Intact Skin -
Finely Ground Powder Moistened with Water.
Classed as non-irritating. Average Maximum Score - 0/8.

Acute Eye Irritation - Rabbits - Mixed Sex - Finely Ground Powder.
Classed as a slight irritant. Average Maximum Score - 12.6/110.

Interpretation

This product does not appear to require special handling.

In case of ingestion, induce vomiting.

In case of skin contact, wash off with soap and water as a hygienic procedure.

In case of eye contact, flush out with water. The irritation experienced should be less than that from a 10% solution of toilet soap.

DSW 173098

STLCOPCB4047619

APRIL

DSW 173099

STLCOPCB4047620

W. B. Papageorge, E2NA

April 30, 1973

Whittaker, Clark & Daniels

T. G. Iverson, 1650
R. D. McDaniel, E2SQ
C. Matzek, 1010
H. Teicher, N1A

R. C. Richardson
1650

I have finally completed a review of the regulations pertaining to trace elements in paints and find the status is as follows:

Under Title 21-CFR-Chapter 1, Subchapter O, Part 191.9 (a)(6) any paint or other similar surface-coating material intended, or packaged in a form suitable for use in or around the household is declared a hazardous substance and banned from interstate commerce between December 31, 1972 and December 31, 1973 if its lead content exceeds 0.5 percent (5000ppm) of the total weight of the contained solids or dried paint film. This regulation became effective on April 25, 1972. A proposal to control lead content at 0.06 percent (600ppm) after December 31, 1973 is still under consideration.

A proposed regulation to control antimony, arsenic, cadmium, mercury, selenium at a maximum of 0.05 percent (500ppm) total content and soluble barium at 1 percent of the total barium present is still being considered. This proposal would be designated under Title 21-CFR-Chapter 1, Subchapter D, Part 191.5.

As you know we have no information on the trace element content of our Lampblacks. I personally would not expect levels which would result in 600ppm or 5000 ppm lead or 500ppm of the remaining elements in dried paint film.

The decision to conduct the necessary analyses to obtain the information requested by MCD must be made by the Product Group based on commercial consideration.

William B. Papageorge

WBP/paj

DSW 173100

STLCOPCB4047621

W. B. Papageorge, B2NA

April 30, 1973

Polaroid
EMA-31 Specifications

C. S. Alack, B2SG
E. K. Brakebill, B2SJ
S. Hu, N1A
T. G. Iversen, 1650
F. B. Klemencic, 1650
G. D. Nelson, N1A

E. L. Moore
B2SJ

I reviewed Polaroid's proposed EMA-31 specifications and noted that Appearance, Volatiles, Dichloroethane, Viscosity and Total Maleic are identical to our approved Finished Product Specification dated June, 1972. Percent retained on USSS 14 is shown as 0 maximum compared to our 0.1 maximum. Moisture by CEC analyzer is shown at 0.7 maximum whereas our specification has no moisture requirement.

Can Manufacturing consistently produce EMA-31 which will meet Polaroid's specifications?

William B. Papageorge

WBP/paj

DSW 173101

STLCOPCB4047622

W. B. Papageorge - General Offices, B2NA

April 26, 1973

Messrs.

W. L. Merman
J. DiTommaso
W. F. Symes
R. D. McDaniel

Attached are the Finished Product Specification revisions as agreed to during our meeting at Everett on February 14, 1973. In addition to these changes, references to analytical methods have been altered. An attempt has been made to refer to a common procedure number in every instance in which the method applied to more than one Santocel. Because of this method reference change I have included copies to specifications for Santocel CX, Santocel DCS and Santocel Z.

Please indicate your approval by signing in the appropriate space.

W. B. Papageorge

/bt

Attachments

DSW 173102

STLCOPCB4047623

W. B. Papageorge - General Offices, B2NA

April 19, 1973

Mr. C. S. Alack
B2SJ

E. K. Brakebill	- B2SJ
W. M. Haynes	- S4A
Shengen Hu	- N1A
J. N. Jewell	- S4B
F. B. Klemencic	- 1650
J. C. Larkin	- B2SG
E. L. Moore	- B2SJ
R. G. Pier	-
G. D. Nelson	- N1A
T. G. Iversen	- 1650
D. L. Sliney	- B2SB
W. F. Symes	- N1A
J. J. Zeman	- B2SB

You recently requested that I arrange for a meeting during the week of April 23 to review the status of research activity relating to Polaroid's recommendation that we adopt analytical procedures developed by them. I have some thoughts concerning the role that the product acceptability function assumes in situations of this sort and had intended to discuss this with appropriate individuals within the SCS business group. A series of urgent, high-priority matters have prevented me from conducting these discussions, therefore, I will attempt to share my thoughts with all recipients of this memo using the Polaroid request as an example.

It seems to me that any request originating with the customer automatically becomes the immediate concern of the marketing function. The field sales and the product group representatives must decide whether the request has merit and what further action appears to be warranted. In this instance, the Polaroid request was considered worthy of further action.

Since the request related to the evaluation of a proposed analytical procedure, it becomes the responsibility of the research group within SCS. Representatives of the research function must then establish, after conferences with marketing representatives, the relative priority warranted by the request. Whether the study is conducted within the SCS research function or is made by some other group, must, of necessity, be the decision of the SCS research managers. The scope of the study, the quality of the data generated, the interpretation of the information and the resulting conclusions and recommendations remains the responsibility of SCS research.

DSW 173103

STLCOPCB4047624

April 17, 1973

Mr. R. E. Pankratz
Chemical Division
PolyScience Corporation
6366 Gross Point Road
Niles, Illinois 60648

Dear Mr. Pankratz:

The "rumor" that Aroclor 1232, formerly marketed by Monsanto, is a mixture of Aroclor 1221 and Aroclor 1242 is correct. Preparation of the material by direct chlorination of biphenyl on occasion would result in a mixture which contained undissolved crystals of some of the isomers.

As you know, Monsanto has terminated the production and sale of Aroclor 1232 and no samples of the material are available. Laboratories requiring standards can use Aroclor 1221 and Aroclor 1242 which are still available.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173104

STLCOPCB4047625

April 13, 1973

Mr. Stan Cothrin
Industrial Hygiene Section
Department of Labor and Industries
308 E. Fourth Avenue
P. O. Box 207
Olympia, Washington 98501

Dear Mr. Cothrin:

Enclosed is the toxicity information on Therminol 66 which I offered to send you. I regret I could find no copy of O/CL-2 which you mentioned. Perhaps I have the wrong designation.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173105

STLCOPCB4047626

April 13, 1973

Mr. Wilson F. Souders
Jensen-Souders Associates Inc.
725 North Baker Drive
Itasca, Illinois 60143

Dear Mr. Souders:

Your letter of April 6 addressed to Mr. Richard
Oosthuizen has been forwarded to me for response.

Enclosed is the completed PPG Industries' Raw
Material Information Sheet and a Material Safety
Data Sheet covering Monsanto's Santocel.

If I can be of further service please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

DSW 173106

STLCOPCB4047627

W. B. Papageorge - General Offices, B2NA

April 12, 1973

Mr. W. N. Maddox
B2NQ

Attached is a copy of my response to C. F. Seger's
telex of March 26. A similar response could be
made to other inquiries of this nature.

W. B. Papageorge

/bt

Attachment

DSW 173107

244
STLCOPCB4047628

April 12, 1973

Dr. Howard J. Dean
New York State Department
of Environmental Conservation
8314 Fish Hatchery Road
Rome, New York 13440

Dear Dr. Dean:

I have received your request for a one pint sample
of Aroclor 1254 and am forwarding this sample to
you under separate cover.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1242 S/N 1585

DSW 173108

243

STLCOPCB4047629

W. B. Papageorge - General Offices, B2NA

April 12, 1973

H. S. Bergen - B2SL

W. R. Corey - B2SL

J. E. Springgate - B3NA

PRODUCTION AND SALES DATA
POLYCHLORINATED TERPHENYLS
(PCTs)

Mr. A. J. Koenig
B2SK

For the past one to two years I have been approached by representatives of governmental agencies requesting production and sales information on PCTs similar to the information we have given them on PCBs.

Will you arrange to have this information summarized for appropriate review in the event a decision is made to divulge this information. I recommend that all available records be searched so that the data covers as long a period of time as the records permit.

To the best of my knowledge the products of interest are as follows:

Aroclor 2500 Series
Aroclor 4400 Series
Aroclor 5400 Series
Aroclor 6000 Series
Pydraul A & B Series
MCS 1004
MCS 1129
Santicizer 311
Santicizer 301
Santicizer 327
Santicizer 335
Santicizer 336
Santicizer 337
Santicizer MXP 101

W. B. Papageorge

/bt

DSW 173109

STLCOPCB4047630

April 11, 1973

Dr. Robert L. Bunch
4676 Columbia Parkway
Cincinnati, Ohio 45268

Dear Dr. Bunch:

Enclosed is the information I offered to send.
I hope you find it useful.

If I can be of further service please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

W
Richard L. Bunch

DSW 173110

STLCOPCB4047631

W. B. Papageorge - General Offices, B2NA

April 11, 1973

H. R. Ford - 1070
C. Paton - B2SC

PCB CONVERSIONS

Call Report - Noranda
Aluminum Co., 3/23/73

Mr. J. J. Roder
G4NN

The authority which the U.S.G.S. can exercise in controlling the use of PCBs in off-shore facilities appears to be a very unique situation and no other agency to my knowledge has similar authority.

The E.P.A., which is the appropriate agency to regulate the use of PCBs in applications similar to the one present at Noranda Aluminum, does not have the proper legal basis for banning the use of PCBs. The E.P.A. is looking forward to the passage of the Toxic Substances Act which will get them the authority they feel they need. Passage of this Act is expected during this session of Congress, probably in 1973.

Without the Act there is no way that I know of that we can stimulate any governmental agency to duplicate the U.S.G.S. action.

W. B. Papageorge

/bt

DSW 173111

STLCOPCB4047632

W. B. Papageorge - General Offices, B2M

April 11, 1973

W. R. Corey - B2SL

W. R. Richard - T3A

TOXICITY STUDIES

Mr. H. S. Bergen
B2SL

Attached is a summary of toxicity studies initiated during the first quarter of this year for the Specialty Products Group.

W. B. Papageorge

/bt

Attachment

DSW 173112

STLCOPCB4047633

W. B. Papageorge - General Offices, B2NA

April 11, 1973

W. R. Corey - B2SL

W. F. Symes - N1A

TOXICITY STUDIES

Mr. R. S. Baker
B2SB

Attached is a summary of toxicity studies initiated during the first quarter of this year for the Special Chemical Systems Group.

W. B. Papageorge

/bt

Attachment

DSW 173113

STLCOPCB4047634

W. B. Papageorge - General Offices, B2NA

April 11, 1973

THERMINOL 66
TOXICITY STATEMENT
JJR Memo, 4/9/73

Mr. J. J. Roder
G4NN

The Therminol 66 Toxicity Statement attached
to your memo appears satisfactory for distribu-
tion to customers.

W. B. Papageorge

/bt

DSW 173114

STLCOPCB4047635

W. B. Papageorge - General Offices, E2NA

April 11, 1973

G. F. Fague - B2SC

C. Paton - B2SC

PCB ANALYSIS

Mr. J. J. Roder
G4NN

During our recent visit with the U.S.G.S. people a request was made that we provide them with a method for determining residual PCBs in converted units. Attached is a copy of a method which we use to determine chlorine content, which is an indirect method for measuring PCBs. You may wish to share this with the proper representatives of U.S.G.S.

W. B. Papageorge

/bt

Enclosure

DSW 173115

STLCOPCB4047636

April 11, 1973

Mr. Don A. Owens
Water Quality Control Division
Tennessee Department of Public Health
Westwood Building
5616 Kingston Pike
Knoxville, Tennessee 37919

Dear Mr. Owens:

Attached are copies of the articles you requested
I send. I hope you find them both interesting
and informative.

If I can be of further service please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

DSW 173116

M, U, Y, H, F, E, O
Bibliography, Evaluation, Reproduction, etc.
Determination of Acceptability of Organic Compounds

STLCOPCB4047637

April 10, 1973

Mr. J. J. Ghosh
Department of Biochemistry
University College of Science
35, Ballygunge Circular Road
Calcutta-19
India

Dear Mr. Ghosh:

I have received your letter of March 10 requesting samples of 2,4'-dichlorobiphenyl, Aroclor 1242 and Aroclor 1254. I am forwarding samples of Aroclor 1242 and Aroclor 1254 to you under separate cover. I cannot supply a sample of 2,4'-dichlorobiphenyl as samples of this isomer are not available.

The approximate weight percentage of chlorine in Aroclor 1242 and Aroclor 1254 can be found in Monsanto Technical Bulletin O/PL-306A, Table 2, page 6 (copy enclosed). I have also enclosed copies of other literature pertaining to PCBs which I hope you find interesting and informative.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

A-1242 }
A-1254 } 5/2 1584

T, U, X

DSW 173117

STLCOPCB4047638

April 10, 1973

Mr. George Geisenhainer
Brodie, Inc.
299 Mishawum Road
Woburn, Massachusetts 01801

Dear Mr. Geisenhainer:

I have received your request for a brochure on PCBs as used in food-related applications. Monsanto no longer sells PCBs to food-related applications nor do we have brochures available that would be applicable to this use.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173118

STLCOPCB4047639

April 10, 1973

Mr. S. L. Burks
Reservoir Research Center
Life Sciences West 427
Oklahoma State University
Stillwater, Oklahoma 74074

Dear Mr. Burks:

I have received your letter of March 28 requesting samples of Aroclor 1242, Aroclor 1254 and Aroclor 1260. Enclosed is a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will send samples of Aroclor 1242 and Aroclor 1254 to you. I regret I cannot supply a sample of Aroclor 1260 but Monsanto has discontinued the manufacture of this product and our supply of samples has been depleted.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173119

STLCOPCB4047640

April 9, 1973

Mr. Perry Lankford
Bernard Johnson, Inc.
5050 Westheimer
Houston, Texas 77027

Dear Mr. Lankford:

Enclosed are copies of the literature I offered
to send you the other day. I hope you find it
interesting and informative.

If I can be of further service please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

T, W, X, Z, AA

DSW 173120

STLCOPCB4047641

W. B. Papageorge - General Offices, B2NA

April 6, 1973

C. Paton - B2SC
J. F. Stapleton - B2SA

Mr. E. P. Wheeler
A2SA

I have discussed with Cumming Paton Dr. Gerarde's interest in visiting a plant in the United States engaged in the manufacture and use of biphenyl impregnated paper and we both agree that the idea has merit.

I understand that Cumming will approach Crown Zellerbach and attempt to determine their interest and hopefully arrange for a visit in the very near future.

W. B. Papageorge

/bt

DSW 173121

STLCOPCB4047642

April 5, 1973

Mr. G. G. Sims
Fisheries Service-
Fish Inspection Lab.
Environment Canada
P. O. Box 550
Halifax, N.S.
Canada

Dear Mr. Sims:

Re: Your File 711-4-1

I have received your letter of March 29 requesting Aroclor samples. I am sending to you under separate cover samples of Aroclor 1242 and Aroclor 1254. I regret I cannot supply samples of our Aroclor 5400 series but Monsanto has discontinued the manufacture of these products and samples are no longer available. I am sorry I cannot help you with Cereclor formulations but I am not familiar with this as it is not a Monsanto product.

I have enclosed copies of literature relative to PCBs which I hope you find interesting and informative.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

A-1242 } s/n 1583
A-1254 }

E, T, X, AA

Canadian Documentation

DSW 173122

STLCOPCB4047643

April 6, 1973

Mr. John E. Doyle
Chromatography Production
Applied Science Laboratories, Inc.
P. O. Box 440
State College, Pennsylvania 16801

Dear Mr. Doyle:

I have received your request for samples of
Aroclor 1221, Aroclor 1242 and Aroclor 1254
and am forwarding these samples to you under
separate cover.

If I can be of further service please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

One Set. 10.

*A-1221
A-1242
A-1254*

S/x 1552

DSW 173123

STLCOPCB4047644

April 5, 1973

Mrs. Priscilla Lewedag
1110 Retlaw Street
Huntsville, Alabama 35805

Dear Mrs. Lewedag:

Your letter of March 27 addressed to Monsanto's Environmental Research Division has been forwarded to me for response.

I am enclosing copies of literature relating to PCBs which I hope you find useful and informative. Teratogenic studies have been made but to my knowledge no teratogenic effects have been observed.

I wish you success in your studies. If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

E, T, X

DSW 173124

STLCOPCB4047645

April 5, 1973

Mr. Sana Ullah
United Electric Control Company
85 School Street
Watertown, Massachusetts 02172

Dear Mr. Ullah:

Monsanto's J. G. Bryant has informed me of your request for a one pint sample of Aroclor 1254. Enclosed is a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will have the sample of Aroclor 1254 forwarded to you.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Mr. J. G. Bryant
Wilmington, Del.

DSW 173125

STLCOPCB4047646

April 5, 1973

Dr. Howard J. Dean
New York State Department
of Environmental Conservation
8314 Fish Hatchery Road
Rome, New York 13440

Dear Dr. Dean:

I have received your letter of March 30 requesting a sample of Aroclor 1254. Enclosed is a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will make arrangements to have the sample of Aroclor 1254 forwarded to you.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173126

STLCOPCB4047647

April 5, 1973

Mr. W. D. McBride
Directorate of Procurement
and Production
Kelly Air Force Base
San Antonio, Texas 78241

Dear Mr. McBride:

Confirming our telephone conversation, the PCB claims made against Monsanto have been related to accidental presence of PCBs in animal feed. None have been due to loss of PCBs from electrical facilities.

I have enclosed a copy of a NEMA proposed guideline for the proper handling and disposal of PCB fluids. If these guidelines are followed the probability of escape to the environment should be considerably reduced.

I hope this information is useful to you and if I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

BTB

DSW 173127

STLCOPCB4047648

April 5, 1973

Mr. L. H. Goodson
Midwest Research Institute
425 Volker Boulevard
Kansas City, Missouri 64110

Dear Mr. Goodson:

I am interested in obtaining a copy of your report "Rapid Detection System for Organophosphates and Carbamate Insecticides in Water" but understand from the BIBLIOGRAPHY OF R&M RESEARCH REPORTS, January 1973, that this report is "pending". If this report has since been published I would appreciate your sending me a copy or information on where I might obtain a copy.

If there is any charge for this publication please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173128

STLCOPCB4047649

April 4, 1973

Dr. Bert Phillips
President
LeMont Scientific, Inc.
Post Office Box 157
Lemont, Pennsylvania 16851

Dear Dr. Phillips:

I have received your letter of March 23 relating to Monsanto's Aroclors. I am sending you a copy of Monsanto Technical Bulletin O/PL-306A, which is the only technical bulletin available applicable to Aroclors.

I have enclosed a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will make arrangements to have samples of Aroclor 1221 and Aroclor 1242 forwarded to you. I regret I cannot supply samples of Aroclor 1232 or Aroclor 1248 but Monsanto has discontinued the manufacture of these products and our supply of samples has been depleted.

I wish to inform you that these materials are not available generally and are sold only for dielectric uses to customers who sign special agreements with Monsanto.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

T

DSW 173129

STLCOPCB4047650

April 4, 1973

Mr. E. W. Purdy
237 Parkview Avenue
Willowdale, Ontario
Canada

Dear Mr. Purdy:

Your letters addressed to Mr. Jack Leech, Monsanto Enviro-Chem Systems Inc. and to PCB Information Dept., Monsanto Company, have been forwarded to me for response since I have been intimately involved in the PCB environmental program.

The PCBs you observed at the Nanticoke Generating Station are used as insulating fluids in power transformers and were probably available to the Station for adding to a newly installed transformer or for the repair of a damaged transformer.

These fluids, in addition to being good insulating fluids, have the added benefit of also being fire resistant thereby adding immeasurably to the safety of the installation in the event unusual operating conditions result in physical damage to a transformer.

I have enclosed reports which, in my opinion, will give you a good summary of the PCB/environmental problem and will also describe the recommended methods for handling and disposal of these materials. I hope you find these reports informative and useful.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt
Enclosures

DSW 173130

X. E. B.
Enclosure

STLCOPCB4047651

April 4, 1973

Mr. J. Monette
Department of National Revenue
P. O. Box 6092
Station "A"
Montreal, Quebec

Dear Mr. Monette:

Re: M4585-81(JM)
MC B 4727

I regret the delay in responding to your letter dated February 20 but I was arranging for the analysis of a sample of currently produced Phos-Chek® P/30.

This sample, as expected, had less than the 6 mg of arsenic per kg I had mentioned in my letter dated February 5. The exact content of this sample, which represented typical material, was determined as 0.11 mg of arsenic per kg.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173131

STLCOPCB4047652

April 4, 1973

Mr. Joseph Darcy
Industrial Hygiene Section
Department of Labor and Industries
308 E. Fourth Avenue
P. O. Box 207
Olympia, Washington 98501

Dear Mr. Darcy:

Dr. Carl Bohl has informed me of your interest in Monsanto's Therminol 66. I have enclosed literature describing this industrial heat transfer fluid which I hope you find informative and useful.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Dr. Carl Bohl

Therminol 66 Literature I C/F F-21
IC/F F-66

DSW 173132

STLCOPCB4047653

April 4, 1973

Dr. D. J. Ecobichon
Department of Pharmacology
Faculty of Medicine
Dalhousie University
Sir Charles Tupper Medical Building
Halifax, N.S.
Canada

Dear Dr. Ecobichon:

I have received your letter of March 27 requesting samples of Aroclor 1016, Aroclor 1224, Aroclor 1242 and Aroclor 1248. I am forwarding to you under separate cover samples of Aroclor 1016, Aroclor 1221, Aroclor 1242 and Aroclor 1254. The Aroclor 1224 you requested is not a Monsanto product. I suspect you are referring to our Aroclor 1221. I regret I cannot supply a sample of Aroclor 1248 but Monsanto has discontinued the manufacture of this product and our supply of samples has been depleted.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1016
1221
1242
1254 } 1581

DSW 173133

STLCOPCB4047654

April 3, 1973

Mr. E. R. Morgan
Silicone Products Department
General Electric Company
Waterford, New York 12188

Dear Mr. Morgan:

Enclosed is a Material Safety Data Sheet covering
Monsanto's Santocel CS as requested in your letter
of March 28 to our New York office.

If I can be of further service please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173134

STLCOPCB4047655

April 3, 1973

Mr. Clarence Lowery
Analytical Lab. Supervisor
MCB
2909 Highland Avenue
Norwood, Ohio 45212

Dear Mr. Lowery:

Enclosed are two Material Safety Data Sheets
covering Monsanto's Lampblack as requested
in your letter addressed to the B. H. Roettker
Company.

If I can be of further service please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

bcc: Charles Matzek
Akron

DSW 173135

STLCOPCB4047656

April 3, 1973

Mr. J. E. Mildren
Vanguard Paints and Finishes, Inc.
Marietta, Ohio 45750

Dear Mr. Mildren:

Enclosed is a Material Safety Data Sheet covering
Monsanto's Lampblack #8 Special as requested
in your letter of March 20 addressed to the
B. H. Roettker Company.

If I can be of further service please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

bcc: Charles Matzek
Akron

DSW 173136

STLCOPCB4047657

April 3, 1973

Mr. Irving Flechner
Research and Technical Division
The Joseph Dixon Crucible Company
167 Wayne Street
Jersey City, New Jersey 07303

Dear Mr. Flechner:

I have received your letter of February 28 requesting Aroclor samples. Enclosed is a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will make arrangements to have the samples you request forwarded to you.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173137

STLCOPCB4047658

April 3, 1973

Dr. Irwin J. Brink
The Department of Chemistry
Hope College
Holland, Michigan 49423

Dear Dr. Brink:

I have received your request for one pint samples of Aroclor 1016, Aroclor 1221, Aroclor 1242 and Aroclor 1254 and am forwarding these samples to you under separate cover.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1016
A-1221
A-1242
A-1248 } S/X 1580

DSW 173138

STLCOPCB4047659

April 3, 1973

Dr. Ted Inaba
Department of Pharmacology
University of Toronto
Toronto 181
CANADA

Dear Dr. Inaba:

Your letter of March 13 addressed to the Monsanto Dayton office requesting PCB samples has been forwarded to me for response.

I am sending to you under separate cover samples of Aroclor 1242 and Aroclor 1254.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1242 }
A-1254 }

S/N 1579

DSW 173139

STLCOPCB4047660

April 3, 1973

Mr. N. J. Simpkins
Analytical Services Section
Water Quality Branch
Environment Canada
725 - 11th Avenue S.W.
Calgary, Alberta
CANADA

Dear Mr. Simpkins:

Your letter of March 23 addressed to Monsanto Canada Limited requesting Aroclor samples has been forwarded to me for response.

I am sending to you under separate cover the samples of Aroclor 1016 that you requested. Also, enclosed is an Aroclor 1016 chromatogram and a table depicting the typical properties of Aroclor 1016.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

A-1016 Chromatogram
A-1016 Typical Properties
A-1016 - S/N 1578

DSW 173140

STLCOPCB4047661

W. B. Papageorge - General Offices, B2NA

April 2, 1973

G. F. Fague - B2SE
T. L. Gossage - B2SL
G. J. Levinskas - A2SA
E. P. Wheeler - A2SA

Dr. C. Paton
B2SC

As you know, studies relating to the toxicity of hydrogenated terphenyls have been conducted both by Monsanto and others and have been associated with the various trade names such as HB-40 and Therminol 66.

In responding to customers questions it sometimes becomes difficult to refer to the studies without divulging the fact that these trademarks are describing the same material. Will your office please provide us with some guidelines in this matter.

It appears to me that we could avoid some of this embarrassment by conducting future studies using a code designation of some sort. May I have your comments.

W. B. Papageorge

/bt

DSW 173141

210
STLCOPCB4047662

April 2, 1973

Mr. Vicente Loyola Gonzalez
Chief of Industrial Security
Comision Federal de Electricidad
Plaza de la Republica No. 26
Mexico 1, D.F.
MEXICO

Dear Mr. Gonzalez:

In response to your letter dated February 23 I have enclosed a copy of a proposed guideline for the handling and disposal of askarel. You will note in these guidelines that the disposal of solid articles contaminated with askarels presents a challenge, primarily because incinerators capable of achieving the high temperatures required are not available. To my knowledge the only alternative available to us at this time is the disposal of these articles by burial in suitable dry sanitary landfills. Monsanto Company does not have the capability for disposal of this type of waste. We can, however, destroy by incineration wastes which are returned to our Sauget, Illinois plant in heavy duty steel drums. The charge for this disposal is three cents per pound as received at our disposal site.

I hope you find this information useful. If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

ER

DSW 173142

STLCOPCB4047663

April 2, 1973

Mr. Eugene R. Spillman
Chief, Materials and
Test Engr. Branch
Headquarters Oklahoma City
Air Materiel Area (AFLC)
Department of the Air Force
Tinker Air Force Base, Oklahoma 73145

Dear Mr. Spillman:

Re: MMET

In response to your letter of March 15 I am enclosing a copy of proposed guidelines for the proper handling and disposal of askarels which contain PCB fluids.

To my knowledge there is no simple spot test available which would be helpful in determining residual PCBs. I am enclosing a copy of an analytical methodology for the determination of the presence of PCBs.

I hope you find this information useful and if I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

0, BB

DSW 173143

STLCOPCB4047664

April 2, 1973

Mr. G. E. Brown
Acme Quality Paints
8250 St. Aubin Avenue
Detroit, Michigan 48211

Dear Mr. Brown:

I regret that we have no information relating to the LD50 for Lampblack BTA but one would expect it to have low acute oral toxicity. The TLV adopted by the American Conference of Governmental Industrial Hygienists (ACGIH) is 3.5 mg/m³. I am not able to respond to your question referring to Federal Standard 313 because I am not familiar with that terminology. If you have more information about this standard I would appreciate hearing from you so that I may try to be of some further assistance.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173144

STLCOPCB4047665

April 2, 1973

Yesha Electricals Private Ltd.
54, Alkapuri
Baroda - 5
INDIA

Dear Sir:

Re: No. P/D-3/-/5

In response to your letter dated March 8, I am enclosing a copy of a proposal for the proper handling and disposal of askarels. As you know, askarels contain PCBs and the problems of handling and disposal of trichloroethylene containing PCBs are very similar to those encountered with askarels.

I believe the disposal methods described in this report would be applicable to your needs.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

BB

DSW 173145

STLCOPCB4047666

W. B. Papageorge - General Offices, B2NA

April 2, 1973

PENTA

Mr. H. S. Bergen
B2SL

As of Friday, March 30, we could find no one in Washington D.C. who was aware of any plans to establish Dowcide EC-7 as the standard for future Penta registrations.

Jack Early and Warren Easley are actively pursuing further contacts and will keep us informed of any developments.

W. B. Papageorge

/bt

DSW 173146

STLCOPCB4047667

April 2, 1973

Dr. John L. Buckley
Deputy Director
Office of Research
United States Environmental
Protection Agency
Washington, D.C. 20460

Dear John:

I suspect that the information relating to the incineration of PCBs which appeared in the Interdepartmental Task Force Report originated with me or someone else within Monsanto. All of the information we have relates to the destruction of the liquid PCB mixtures. The pilot tests were conducted for Monsanto by the John Zink Company, P. O. Box 7388, Tulsa, Oklahoma 74105, telephone 918-747-1371. We encourage anyone interested in the studies to contact Mr. Gene McGill of John Zink Company directly. Our personal experience with the commercial unit we have installed as designed by the John Zink Company has demonstrated to our satisfaction that destruction is taking place.

We do not have any studies involving the incineration of the solid PCB mixtures such as Aroclor 1268 to which Mr. Peters refers in his letter. It appears to me that if partial destruction has been achieved by the Japanese and Europeans at temperatures up to 1600°C, that with some modification of the conditions under which combustion is occurring, total destruction could conceivably be achieved.

I hope that my comments above along with any information that Mr. Peters can receive from Mr. McGill proves useful.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173147

STLCOPCB4047668

Monsanto

OUTGOING MESSAGE BLANK

DATE

4/2/73

TIME

9:30

SENDER'S ACCOUNT NO.

47-000-735.40

INDICATE DESIRED SERVICE → ☐ FULL RATE ☐ DAY LETTER ☐ NIGHT LETTER

Names of addressee and sender must include initials. Show complete address for telegrams and cables.

S. Roehr
Brussels

You may sell the three drums of Santomelt in your Paris warehouse.
Swedish Embassy in U.S. was informed that Santomelt sales were
terminated, therefore, do not -- repeat, do not -- sell in Sweden.

W. B. Papageorge
St. Louis, Mo.

IN-IR
REV. 7-64

for **BETTER** *service* - Forward to transmitting operator IMMEDIATELY after preparation.

DSW 173148

STLCOPCB4047669

April 2, 1973

Mr. R. L. Ditmer
Corporate Engineering
Building 30
National Cash Register Company
Main and "K" Streets
Dayton, Ohio 45409

Dear Mr. Ditmer:

Enclosed are the publications I offered to send you. I hope you find them interesting and informative.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

W

Z

AA

CCCP Summary 4/10

DSW 173149

MARCH

DSW 173150

STLCOPCB4047671

W. B. Papageorge - General Offices, B2NA

March 30, 1973

EXCEPTION REPORTS

Mr. E. L. Moore
B2SJ

I am attempting to summarize for Jim Larkin a distribution list that he can use for his exception reports. Attached is my worksheet which I know is incomplete. Will you please review this list for accuracy and return it to me.

W. B. Papageorge

/bt

Attachment

DSW 173151

STLCOPCB4047672

W. B. Papageorge - General Offices, B2NA

March 30, 1973

SAMPLES

Mr. T. D. Crawford
C3ND

I have received a request from the Gulf Coast Research Laboratory for samples of Ethyl-Parathion and Methyl-Parathion. Please make arrangements to have these samples forwarded to:

Dr. William W. Walker
Microbiology Section
Gulf Coast Research Laboratory
P. O. Drawer AG
Ocean Springs, Mississippi 39564

Thank you.

W. B. Papageorge

/bt

DSW 173152

STLCOPCB4047673

March 30, 1973

Dr. William W. Walker
Microbiology Section
Gulf Coast Research Laboratory
P. O. Drawer AG
Ocean Springs, Mississippi 39564

Dear Dr. Walker:

The samples of Aroclor 1242 and Aroclor 1254 we sent you represents a commercial product which consists of a mixture of several isomers of polychlorinated biphenyls. Therefore, they are considered as being 100% PCBs. There are no solvents or diluents involved.

I have referred your request for samples of Parathion to Thomas D. Crawford of Monsanto's Commercial Products division. You should be hearing from him shortly.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

cc: T. D. Crawford

DSW 173153

STLCOPCB4047674

March 29, 1973

Dr. C. S. Giam
Department of Chemistry
College of Science
Texas A&M University
College Station, Texas 77843

Dear Dr. Giam:

I have received your request for samples of Monsanto Aroclors. I am sending to you under separate cover samples of Aroclor 1221, Aroclor 1242 and Aroclor 1254. I regret I cannot supply samples of the other Aroclors you have requested but Monsanto has discontinued the manufacture of those products and our supply of samples has been depleted.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1221
A-1242
A-1254 } #577

DSW 173154

STLCOPCB4047675

W. B. Papageorge - General Offices, B2NA

March 28, 1973

SAMPLES

Memo, WBP to BGT, 3/14/73

Mr. B. G. Tibbetts
B2SE

In my memo of March 14 I requested a two pound sample of Sodium Penta Chlorophenate (Santobrite) be forwarded to:

Dr. Waynon Johnson
Fish-Pesticide Research Laboratory
Bureau of Sport Fisheries and Wildlife
U. S. Department of the Interior
Route 1
Columbia, Missouri 65201

Dr. Johnson called yesterday and said he received a sample of Penta. Will you please arrange for the proper sample to be sent to him.

W. B. Papageorge

WBP/bt

DSW 173155

STLCOPCB4047676

W. B. Papageorge - General Offices, B2NA

March 28, 1973

H. S. Bergen - B2SL

SAMPLES

Dr. W. R. Richard
T3A

I note in your Research & Development Monthly Summary for February 1973 that developmental samples of the following materials have been forwarded to potential customers.

MCS 1034	MCS 1377
MCS 1217C	MCS 1472
MCS 1375A	RPC 117

Our records indicate that EC-201'a have not been prepared for these products. As you know, corporate policy prohibits the shipment of samples before this first step in environmental evaluation is completed.

W. B. Papageorge

WBP/bt

DSW 173156

STLCOPCB4047677

March 27, 1973

Mr. David A. Ringler, Supervisor
Quality and Process Control
GSS Division - Cleveland Plant
7209 St. Clair Avenue
Cleveland, Ohio 44103

Dear Mr. Ringler:

As requested in Robert P. Zarobila's letter of February 28 to The A. C. Mueller Co. enclosed are three copies of the Product Specification sheet covering Monsanto's Lamp-black 10C Special.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Mrs. Polly Murphy
The A. C. Mueller Co.

bcc: Charles Matzek
Akron

DSW 173157

STLCOPCB4047678

March 27, 1973

Mr. Norman Levitz
Chemical Engineering Division
Argonne National Laboratory
9700 South Cass Avenue
Argonne, Illinois 60439

Dear Mr. Levitz:

Enclosed is the information I offered to send
you. I hope you find it useful.

If I can be of further service please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

W

X

Z

AA

EB

DSW 173158

STLCOPCB4047679

March 27, 1973

Dr. D. Hopkins
Nutritional Biochemistry Laboratory
Ralston Purina
Checkerboard Square
St. Louis, Missouri 63199

Dear Dr. Hopkins:

I have made arrangements for the samples of
Therminols which you requested to be sent to
you under separate cover.

Enclosed is the toxicity information I offered
to send you. I hope you find it useful.

If I can be of further service please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

Therminol Toxicity Info
T-664 T-55 Tech. Bulletin

DSW 173159

STLCOPCB4047680

March 27, 1973

Mr. G. L. Wyatt
Regional Industrial Hygienist
Occupational Safety &
Health Administration
U.S. Department of Labor
1375 Peachtree Street, N.E.
Suite 587
Atlanta, Georgia 30309

Dear Mr. Wyatt:

I regret and apologize for the delay in responding to your letter dated February 15.

The term "askarels" is a generic name used by the electrical industry to describe dielectric fluids which are fire resistant. It is not a Monsanto trademark. Polychlorinated biphenyls which are produced by Monsanto are the key ingredients in the formulation of askarels. The name Inerteen is a Westinghouse trademark for askarels which contain polychlorinated biphenyls.

Askarels are still available for use in capacitors and transformers. Polychlorinated biphenyls have not been banned by the federal government, however, Monsanto, as a principal producer of these materials, voluntarily terminated their use in all applications except as ingredients in askarels.

In response to your request relating to proper handling methods I am enclosing a copy of a NEMA proposal which I believe thoroughly covers the subject.

BB

DSW 173160

171

STLCOPCB4047681

Mr. G. L. Wyatt
March 27, 1973
Page 2

I hope you find this information useful and if I can
be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173161

STLCOPCB4047682

March 27, 1973

Mgr. Jerzy Falandysz
Health Port Office
Food Research Laboratory
81-338 Gdynia
Str. Chrzanowskiego 19
POLAND

Dear Mr. Falandysz:

I have received your letter of March 16, 1973 requesting additional samples of Monsanto Aroclors. I am sending to you under separate cover a sample of Aroclor 1242. I regret I cannot supply samples of the other Aroclors requested as Monsanto has discontinued the manufacture of those products. With the sample of Aroclor 1242 I am sending and the ones previously sent, you will have samples of all Aroclors currently available.

Enclosed is a copy of Monsanto Technical Bulletin O/PL-306A, Monsanto Summary--Interim Status Chronic Toxicity with Aroclors, and the excerpt from the Encyclopedia of Chemical Technology entitled "Chlorinated Biphenyl and Related Compounds". Both Monsanto publications O/PL-311 and O-FF/1 have been out of print for some time and copies are no longer available.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

A-1242 5/71 1576
E, X, T

DSW 173162

STLCOPCB4047683

W. B. Papageorge - General Offices, B2NA

March 27, 1973

THERMINOL 55 & 66
SAMPLES

Mr. G. F. Fague
B2SC

Please send two-pound samples each of Therminol 55
and Therminol 66 to:

Dr. D. Hopkins
Nutritional Biochemistry Laboratory
Ralston Purina
Checkerboard Square
St. Louis, Missouri 63199

W. B. Papageorge

/bt

DSW 173163

STLCOPCB4047684

Monsanto

OUTGOING MESSAGE BLANK

Telecommunications System

DATE
3/27

TIME
Noon

SENDER'S ACCOUNT NO.
47-000-735.40

INDICATE DESIRED SERVICE → ☐ FULL RATE ☐ DAY LETTER ☐ NIGHT LETTER

Names of addressee and sender must include initials. Show complete address for telegrams and cables.

C. F. Seger
Akron

Re your wire 3/26.. Drums should be thoroughly drained, rinsed with solvent and buried in landfill. Used solvent should be incinerated.

W. B. Papageorge
St. Louis

cc: C. Paton

IN-IR
REV. 7-64

for BETTER service - Forward to transmitting operator IMMEDIATELY after preparation.

DSW 173164

STLCOPCB4047685

March 27, 1973

Miss Marilyn Lienard
McKesson Chemical Company
P. O. Box 476
Carneige, Pennsylvania 15106

Dear Miss Lienard:

Chuck Matzek of our Akron Sales Office has informed me of your request for a Product Specification sheet covering Monsanto's Lamp-black 10X. Enclosed is a copy of that Specification.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Charles Matzek
Akron

DSW 173165

STLCOPCB4047686

March 26, 1973

Ms. Jeanne A. Ward
Assistant Manager,
Chemical Control
Research Laboratories
Polaroid Corporation
2 Osborne Street
Cambridge, Massachusetts 02139

Dear Ms. Ward:

Fred Klemencic has informed me of your request for a copy of the Product Specification for Monsanto's EMA-31. Enclosed is a copy of that specification. A copy of this specification was sent to Mr. E. C. Page of Polaroid on June 20, 1972.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Mr. F. B. Klemencic
New York

DSW 173166

STLCOPCB4047687

March 26, 1973

Dr. Jeffrey L. Lincer
Mote Marine Laboratory
9501 Blind Pass Road
Sarasota, Florida 33581

Dear Dr. Lincer:

I have received your request for samples of
Aroclor 1016, Aroclor 1242 and Aroclor 1254
and am forwarding these samples to you under
separate cover.

If I can be of further service, please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1016 }
A-1242 } 1575
A-1254 }

DSW 173167

STLCOPCB4047688

March 26, 1973

Dr. Irwin J. Brink
The Department of Chemistry
Hope College
Holland, Michigan 49423

Dear Dr. Brink:

I have received your letter of March 16 requesting Aroclor samples. Enclosed is a Request for Sample Quantity of Product Containing PCBs. Upon receipt of the completed form, I will make arrangements to have the available Aroclor samples forwarded to you. I regret to inform you that many of the Aroclors you have requested (1232, 1260, 1262, 1248, 4465, 5442, 5460) are no longer available as Monsanto has discontinued the manufacture of these products and our supply of samples has been depleted. I hope the lack of these materials does not seriously inconvenience you.

Incidentally, there is no charge for samples.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173168

173

STLCOPCB4047689

March 26, 1973

Mr. William E. Callahan
Purchasing Agent
Dielectric Materials Division
Emerson & Cuming, Inc.
Canton, Massachusetts 02021

Dear Mr. Callahan:

I have received your request for a completed Material Safety Data Sheet covering Monsanto's Phos-Chek P/30. I am enclosing a copy of our Data Sheet covering this product.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173169

STLCOPCB4047690

March 26, 1973

Mr. John Doyle
Applied Sciences Laboratory
P. O. Box 440
State College, Pennsylvania 16801

Dear Mr. Doyle:

Enclosed is the Sample Request Form I offered to send you. If you will return the completed form to me I will forward the samples of Aroclor 1221, Aroclor 1242 and Aroclor 1254 to you.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173170

STLCOPCB4047691

March 23, 1973

Dr. Iver Duedall
Marine Sciences Research Center
State University of New York
Stony Brook, New York 11790

Dear Dr. Duedall:

I have received your request for samples of
Aroclor 1221, Aroclor 1242 and Aroclor 1254
and am forwarding these samples to you under
separate cover.

If I can be of further service, please let
me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1221
1242
1254 } s/n 1574

DSW 173171

STLCOPCB4047692

March 21, 1973

Mr. Charles R. Ankrom
Purchasing Agent
Chemicals and Plastics
Silicones Plant
Union Carbide Corporation
P. O. Box 180
Sistersville, West Virginia 26175

Dear Mr. Ankrom:

Your letter of March 8 addressed to Monsanto's Mr. C. H. Matzek requesting safety and health data and handling procedures for Monsanto's Santocel FRC has been forwarded to me for response. I am enclosing a Material Safety Data Sheet covering this product.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Mr. C. H. Matzek
Akron

DSW 173172

STLCOPCB4047693

March 20, 1973

Dr. Ralph E. Linder
Bio-Effects Branch
United States Environmental
Protection Agency
4770 Buford Highway
Chamblee, Georgia 30341

Dear Dr. Linder:

I have received your request for a two pound sample of Aroclor 1016 and am forwarding this sample to you under separate cover.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

7-1016 S/R 1573

DSW 173173

STLCOPCB4047694

March 20, 1973

Dr. James E. Alexander
Senior Research Scientist
Chemical Oceanography
New York Ocean Science Laboratory
Montauk, New York 11954

Dear Dr. Alexander:

I have received your letter of March 14 requesting a sample of Aroclor 1254. I am enclosing a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will make arrangements to have this sample forwarded to you.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173174

STLCOPCB4047695

W. B. Papageorge - General Offices, B2NA

March 20, 1973

EMA-31 FOR
POLAROID

Messrs.

C. S. Alack	- B2SJ
E. K. Brakebill	- B2SQ
W. M. Haynes	- S4A
Shengen Hu	- N1A
J. C. Larkin	- B2SQ
E. L. Moore	- B2SJ
R. G. Pier	- B2SQ

There will be a meeting on Tuesday, March 27, at 9:00 AM in room B-303 to review our information on EMA-31 prior to the March 28 meeting with Polaroid representatives.

W. B. Papageorge

/bt

DSW 173175

STLCOPCB4047696

March 16, 1973

Mrs. G. Mason Lowe
Mason Color & Chemical Works, Inc.
P. O. Box 76
East Liverpool, Ohio 43920

Dear Mrs. Lowe:

We have received your Purchase Order No. 597
of March 9 for 100 pounds of Aroclor 4465
and regret to inform you that, due to environ-
mental considerations, Monsanto has discontinued
the manufacture and sale of this product.

I hope the lack of this material does not seriously
inconvenience you. If I can be of further ser-
vice, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173176

STLCOPCB4047697

March 16, 1973

Prodesco, Inc.
700 Park Avenue
Perkasie, Pennsylvania 18944

Attention: Barry Johnson

Gentlemen:

We have received your request for a sample of Aroclor 45 and regret to inform you that, due to environmental considerations, Monsanto has discontinued the manufacture of the Aroclor 4500 series of products. I hope the lack of this material does not seriously inconvenience you.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173177

STLCOPCB4047698

March 15, 1973

Mr. Leonard Falevitch
Research Group Leader
Armour Dial
3115 South Benson
Chicago, Illinois 60608

Dear Mr. Falevitch:

Attached is a copy of the specifications for Monsanto's Dequest 2041 which you requested from Mr. Daryl Jones. Specifications have also been sent to the attention of Mr. Joel Miller.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Mr. D. L. Jones
Chicago

bcc: C. S. Alack - B2SJ

DSW 173178

STLCOPCB4047699

March 14, 1973

Dr. Lynn Willett
Ohio Agricultural Research
and Development Center
Department of Dairy Science
Wooster, Ohio 44691

Dear Dr. Willett:

Enclosed is the literature I offered to send you. You will note that the articles on human milk and analysis via the perchlorobiphenyl method are included.

Regards.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

*ML AA
fcp Bibliography PB-209-944*

DSW 173179

STLCOPCB4047700

March 14, 1973

Mr. James A. Gaunt
Analytical Services Laboratory
Engineering Research Institute
College of Engineering
Iowa State University of
Science and Technology
104 Marston Hall
Ames, Iowa 50010

Dear Mr. Gaunt:

I have received your request for samples of Aroclor 1242, Aroclor 1254, Aroclor 4465 and Aroclor 5442 and am forwarding to you under separate cover samples of Aroclor 1242 and Aroclor 1254. I regret I cannot supply samples of Aroclor 4465 or Aroclor 5442 but Monsanto has discontinued the manufacture and sale of these products and our supply of samples has been depleted.

As you have requested enclosed is a copy of Monsanto Technical Bulletin O/PL-306A which I hope you find interesting and informative.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

A-1242 } 2/2 1572
A-1254 }

T

DSW 173180

STLCOPCB4047701

W. B. Papageorge - General Offices, B2NA

March 14, 1973

PENTA SAMPLES

Mr. B. G. Tibbetts
B2SE

Will you please arrange to have a two pound
sample of Sodium Penta Chlorophenate forwarded
to:

Dr. Waynon Johnson
Fish-Pesticide Research Laboratory
Bureau of Sport Fisheries and Wildlife
U.S. Department of the Interior
Route 1
Columbia, Missouri 65201

W. B. Papageorge

/bt

DSW 173181

STLCOPCB4047702

W. B. Papageorge - General Offices, B2NA

March 14, 1973

MILITARY SPECIFICATIONS

Messrs.

P. O. DeGarmo - B3NJ
J. S. Metcalf - B1NC
J. C. Weber - E1SF

The person to contact for copies of Military Specifications is:

Laura Hess
Central Reports
Room R-229
Mail Zone R2C
Sta. 4-4732

W. B. Papageorge

WBP/bt

DSW 173182

STLCOPCB4047703

W. B. Papageorge - General Offices, B2NA

March 14, 1973

Shengen Hu - N1A

EMA-31
POLAROID CORPORATION

Mr. C. S. Alack
B2SG

Does everyone understand how much testing will
be done and which lot numbers will be analyzed
by both Monsanto and Polaroid?

W. B. Papageorge

/bt

DSW 173183

STLCOPCB4047704

(U)

POLAROID CORPORATION

RESEARCH LABORATORIES
CAMBRIDGE, MASSACHUSETTS 02139

March 5, 1973

W B Papageorge
MAR 12 1973

Dr. Shengen Hu
Senior Research Engineer
Monsanto, Inorganic Chemicals Division
800 N. Lindbergh Blvd.
St. Louis, Missouri 63166

Dear Shengen:

I have been in recent contact with Fred Klemensic in reference to Monsanto's evaluation of the proposed conductometric method for the assay of free acid in EMA-31. Ned Page has sent copies of this procedure to Cole Weber in January of this year and Cole has undoubtedly reviewed the method with you.

Fred told me that Monsanto has not as yet tried the method and we agreed to a cross-sampling plan so that analytical data could be generated both at Monsanto and Polaroid. Fred has made arrangements to have samples taken at Texas City, analyzed there, and duplicate samples sent both to you and me for analysis. As we just received 25,000 lbs. of EMA-31, I have had some of the lots sampled here and am sending you one set and our Analytical group, Dr. Leon Rubin, one set. This should provide us with sufficient sampling and data from three analytical labs to establish this test and determine if it could be done routinely for Polaroid Corporation. The sample lot identification numbers are:

TE 2-31100
TE 2-31102
TE 2-31103
TE 2-31106
TE 2-31108

If you have any questions on the method, please call me. Please treat this method as confidential matter which should not be disclosed to third parties.

DSW 173184

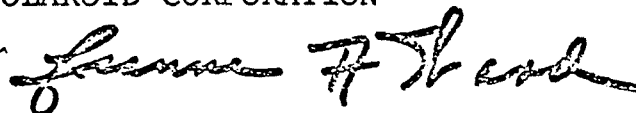
STLCOPCB4047705

Dr. Shengen Hu
Monsanto, Inorganic Chemicals Division
Page two
March 5, 1973

I would also appreciate it if this request could have your prompt attention as a tentative meeting is planned for the end of March between Monsanto and Polaroid and we would like to discuss a tentative free acid specification referenced to the conductometric determination at that time.

Very truly yours,

POLAROID CORPORATION



Jeanne A. Ward
Assistant Manager,
Chemical Control

JAW/bab

CC: F. Klemensic
C. Weber - Monsanto
E. C. Page, Jr.
L. Rubin - Polaroid

DSW 173185

STLCOPCB4047706

March 13, 1973

Ms. Anna W. Crull
Chemical Technology
6110 Cheena
Houston, Texas 77035

Dear Ms. Crull:

Thank you for your letter of March 8. I can appreciate your interest in the possible use of chlorinated biphenyls as fire retardants in polyurethane foams. I agree that it is most difficult to conceive of birds or humans "eating" insulation but we are sincerely concerned about eventual disposal during manufacture and when buildings are eventually demolished.

I assure you that considerable thought has been given to all of the uses in which PCBs could be applied and we have concluded that applications such as the one you are proposing can eventually lead to problems. Monsanto Company is not interested in having polychlorinated biphenyls used in such systems.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173186

STLCOPCB4047707

W. B. Papageorge - General Offices, B2NA

March 12, 1973

K. W. Easley - 1920

OECD - PCB

Messrs.

H. S. Bergen - B2SL
W. R. Corey - B2SL
T. L. Gossage - B2SL
E. Greene - A2NA
E. V. John - B1NC
A. J. Koenig - B2SC
P. J. A. Marsh- 5040
C. Paton - B2SC
W. R. Richard - T3A
J. R. Savage - B2SL
E. P. Wheeler - A2SA

Attached is a copy of an OECD Decision Of The Council relating to PCB proposals adopted by the Council on February 13, 1973.

The proposal as adopted contains no recommendations or actions which we had not anticipated. Note the continued concern regarding small capacitors (page 6) and the reference to the Japanese ban on small capacitors (page 7).

There is no evidence that the U.S. will condone PCB use in heat transfer systems or in hydraulic fluids for mining applications.

Early in 1974 we should expect a request to supply information for Section III (1) and III (3) (page 3). We can also expect to be involved in providing information relating to transporting, labeling and containers.

W. B. Papageorge

/bt

Enclosure

DSW 173187

167
STLCOPCB4047708

W. B. Papageorge - General Offices, B2NA

March 12, 1973

SANTOCEL QUALITY REVIEW

Memo, TEK dated 2/27/73

Mr. T. E. Kelley
1410 - Everett

L. S. Allen - 1410
J. DiTommaso - 1410
L. J. Gilbert - 1410
E. H. Kimball - 1410
E. L. Moore - B2SJ
R. C. Morris - 1410
R. Oosthuizen - B2SJ
H. Teicher - N1A

In your minutes of the Santocel quality review held on February 14 you refer to specification changes in screen sizing for Santocel A. It was my understanding these would be held in abeyance until Joe DiTommaso and I reviewed customer and military specifications. The review is currently underway.

All other proposed changes are being implemented. We are taking advantage of the opportunity to check the analytical method number references for accuracy and possible combination.

The final draft will be prepared by my office and circulated for approval signatures.

W. B. Papageorbe

/bt

DSW 173188

166

STLCOPCB4047709

W. B. Papageorge - General Offices, B2NA

March 12, 1973

SHERWIN-WILLIAMS
SANTOCEL Z

Mr. C. Matzek
1010 - Akron

Sherwin-Williams has bombarded Monsanto with this type of request. We do not plan to comply as requested but will send OSHA data sheets and specification data. I have enclosed the sheets for Santocel Z.

Regarding heavy metal contamination we can state the following:

Arsenic as As	< 3 ppm
Lead as Pb	< 10 ppm
Heavy Metals as Pb	< 30 ppm

Since we cannot supply all of the information requested will you discuss this with Mr. Sipe.

W. B. Papageorge

/bt

Enclosure

DSW 173189

165

STLCOPCB4047710

March 12, 1973

Mr. Herbert Falk
Plant 1 Metallurgical Laboratory
Pontiac Motor Division
Pontiac, Michigan 48056

Dear Mr. Falk:

Enclosed is a Request for Sample Quantity of Product Containing PCB that I offered to send you. If you will return the completed form to me I will make arrangements to have the samples you request forwarded to you.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173190

STLCOPCB4047711

March 12, 1973

Mr. G. E. Brown
Acme Quality Paints
8250 St. Aubin Avenue
Detroit, Michigan 48211

Dear Mr. Brown:

In response to your letter dated February 26 requesting information on Monsanto's Lampblack BTA I have enclosed a copy of the product specifications and a copy of a Department of Labor Material Safety Data Sheet.

I hope you find this information useful. If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

cc: Mr. D. L. Jones
Chicago

DSW 173191

STLCOPCB4047712

W. B. Papageorge - General Offices, B2NA

March 12, 1973

T. G. Iversen - 1650
R. D. McDaniel - B2SJ

WHITTAKER, CLARK & DANIELS

Mr. R. C. Richardson
1650 - New York

I find Whittaker, Clark & Daniels' request for trace element content of Lampblacks based on FDA requirements confusing. We cannot find the appropriate regulations which refer to trace elements in paints.

Your reference to Title 21-CFR-Chapter 1, Subchapter D, Part 191 does not apply. Generally trace elements have been considered as potential problems in plant waste effluents. The amount of Lampblack used in any paint formulation is relatively small. The amount of trace elements which might be present in the Lampblack would in turn be exceedingly small, resulting in a final mixture which should pose no problems relating to trace elements.

What is WC&D's problem?

W. B. Papageorge

/bt

DSW 173192

16-
STLCOPCB4047713

W. B. Papageorge - General Offices, B2NA

March 12, 1973

R. Hudson - B3SC

STOP FIRE, INC.
PHOS CHEK MAP

Mr. R. C. Richardson
1650 - New York

A copy of a letter you mailed to Mr. R. A. Bollentin on February 22 was sent to me with the request that I help clarify our specification agreement.

It is my understanding that the mesh size specifications you proposed for inclusion in the SSI have never been accepted. The specifications we agreed to are as follows:

Code 135

R 100 mesh	2-10%
CR on 200	15-35%
thru 325	35-60%

Code 125

on 200 mesh	9% maximum
CR on 325 mesh	9-24%

Will you please review this with Mr. Bollentin.

W. B. Papageorge

DSW 173193

151

STLCOPCB4047714

March 12, 1973

Mr. Dick Likwarz 414-671-2000, ext 3249
Plastics Laboratory
Allen-Bradley Company
1201 South Second Street
Milwaukee, Wisconsin 53204

Dear Mr. Likwarz:

Enclosed are copies of literature pertaining
to polychlorinated biphenyls that I offered
to send you which I hope you find interesting
and informative.

If I can be of further service, please let
me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

my X 2, AA

DSW 173194

158

STLCOPCB4047715

March 12, 1973

Dr. Patrick R. Parrish
United States Environmental
Protection Agency
Gulf Breeze Environmental
Research Laboratory
Gulf Breeze, Florida 32561

Dear Dr. Parrish:

Aroclor 1016 is a mixture of polychlorinated biphenyls which was commercially available during the summer of 1971 and became the preferred dielectric fluid for use in capacitors. Since September 1971 Monsanto terminated the sale of Aroclor 1242 for this application and would supply only Aroclor 1016.

Aroclor 1016 is similar to Aroclor 1242 except that the isomers containing five or more chlorine atoms per biphenyl group have been reduced considerably.

Sales of Aroclor 1016 have been made only to capacitor manufacturers. In 1971 3,334,000 pounds were sold domestically. In 1972 20,902,000 pounds were sold.

I have enclosed copies of literature which further describe Aroclor 1016. I hope you find it useful. If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

A-1016 General Properties
A-1016 Typical Properties
W

DSW 173195

STLCOPCB4047716

March 12, 1973

Dr. Ralph E. Linder
Bio-Effects Branch
United States Environmental
Protection Agency
4770 Buford Highway
Chamblee, Georgia 30341

Dear Dr. Linder:

I have received your letter of March 7 requesting a two pound sample of Aroclor 1016 and am enclosing a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will make arrangements to have this sample forwarded to you. There is no charge for samples.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173196

STLCOPCB4047717

W. B. Papageorge - General Offices, B2NA

March 12, 1973

R. E. Hatton - B2SC

C. Paton - B2SC

TOXICITY & SAFE HANDLING
STATEMENT - SKYDROL LD
REK's Memo dated 3/6/73

Dr. R. E. Kelly
A2SA

Your proposed statement is excellent. I recommend that Cumming incorporate it in his bulletins, brochures, etc. immediately.

W. B. Papageorge

/bt

DSW 173197

155
STLCOPCB4047718

W. B. Papageorge - General Offices, B2NA

March 8, 1973

Messrs.

H. S. Bergen
W. R. Corey
J. F. Stapleton
R. A. Stohr

Attached are copies of reports given to me by Dr. Lynn Willett of the Ohio Agricultural Research and Development Center. He has requested that the information relating to PCB and DDE in human milk be kept confidential.

Dr. Willett's PCB studies are continuing although they have been delayed somewhat by the lack of funds. He now expects to issue a final report before the end of the year. It appears at this point that a coating containing furfuryl alcohol appears to be the most effective.

W. B. Papageorge

/bt

Enclosures

DSW 173198

127
STLCOPCB4047719

March 7, 1973

Dr. Jeffrey L. Lincer
Mote Marine Laboratory
9501 Blind Pass Road
Sarasota, Florida 33581

Dear Dr. Lincer:

I have received your letter of February 19 requesting Aroclor samples. Enclosed is a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will make arrangements to have samples of Aroclor 1242, Aroclor 1254 and Aroclor 1016 forwarded to you. I regret I cannot supply samples of Aroclor 1248, Aroclor 1260 or Aroclor 1262 but Monsanto has discontinued the manufacture of these products and our supply of samples has been depleted.

Also enclosed are copies of the Monsanto technical sheets relating to Aroclors as you requested which I hope you find interesting and informative.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

A-1016 Chromatogram
A-1016 Typical Properties

DSW 173199

153

STLCOPCB4047720

March 7, 1973

Dr. Iver Duedall
Marine Sciences Research Center
State University of New York
Stony Brook, New York 11790

Dear Dr. Duedall:

Your letter of March 1 addressed to Monsanto's W. S. Clark requesting PCB samples has been forwarded to me for response. I am enclosing a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will make arrangements to have samples of Aroclor 1221, Aroclor 1242 and Aroclor 1254 forwarded to you. I regret I cannot supply samples of Aroclor 1248 or Aroclor 1260 but our supply of samples has been depleted. I hope the lack of these samples does not seriously inconvenience you.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Mr. W. S. Clark

DSW 173200

152

STLCOPCB4047721

March 5, 1973

Mr. E. L. Raab
General Electric Company
Transformer Division
Building 11-223
100 Woodlawn Avenue
Pittsfield, Massachusetts 01201

Dear Ed:

Enclosed is a proposal submitted by Mr. R. L. Derby,
Dow Chemical Company, relating to the handling,
shipping and disposal of Askarel wastes.

Mr. Derby has asked that our transformer working
committee of ANSI C-107 consider this proposal.
Mr. Derby is also willing to discuss his proposal
with the members of the transformer subcommittee,
either at a meeting at which all members are pre-
sent or at two smaller groups, whichever is appropriate.

May I have your comments relating to the interest
in Mr. Derby's proposal.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Mr. R. L. Derby - Dow Chemical Company
Mr. A. M. Salazar - N.E.M.A.

DSW 173201

STLCOPCB4047722

PROPOSAL

A system for handling, shipping and disposing of transformer grade, sample service askarel wastes to provide environmental safety.

Servicing of askarel-containing transformers requires the drawing of representative samples of the fluid. Generally, two to four quarts are obtained from the main drain valve and an additional quart from the sample bottle rinse. The procedure is repeated for a transformer top sample. The waste quantity will vary from one to two gallons per transformer, depending on service company procedure. Integrity of containers presents a problem, as does the possibility of accidental spills during handling. Such spills could result in sewer or ground contamination. In addition, prolonged storage and deterioration of the filled containers could cause leakage and further contamination. Another potential source of contamination is damage during shipping. Lack of a simple, efficient disposal system may be the reason for unauthorized disposal of the askarel wastes into rivers and streams.

Standardized containers and collection procedures, a means of solidifying the askarel wastes, and authorized disposal should help eliminate the environmental threat.

The system we propose is as follows:

Providing a fiberboard carton containing four one-gallon plastic cube containers with appropriate closures and a four-pack fiberboard pre-addressed package.

Each cube container will be loaded with a pre-determined quantity of Dow Imbiber Beads, a product that will solidify the waste askarels within minutes.

The outer package is pre-addressed for delivery to an authorized solid waste incinerator or supervised dry land fill site for disposal.

The advantages of the system we propose are:

- .. A standard container for disposal.
- .. A method for solidifying the askarel wastes to prevent leaks or other accidental contaminating spills.
- .. A method of environmentally sound containment when disposed of in dry land fill and assurance that such disposal will be accomplished by authorized personnel and procedures.
- .. A product and container that meets the requirements for environmentally sound high temperature incinerator disposal.

March 5, 1973

Dr. C. S. Giam
Department of Chemistry
College of Science
Texas A&M University
College Station, Texas 77843

Dear Dr. Giam:

Monsanto's Dr. E. S. Tucker has informed me of your request for Aroclor samples and related literature. I am enclosing a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will make arrangements to have the samples you request forwarded to you.

I am also enclosing copies of literature pertaining to PCBs which I hope you find interesting and informative.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

cc: Dr. E. S. Tucker

Y, 2, 44

DSW 173203

STLCOPCB4047724

March 5, 1973

Mr. Warren Doty
Udylite Company
21441 Hoover
Warren, Michigan 48089

Dear Mr. Doty:

Enclosed are our Material Safety Data Sheets
covering Monsanto's Dequest 2000 and Dequest 2010
which you requested last week from our St. Louis
Sales Office.

If I can be of further service, please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures-2

DSW 173204

STLCOPCB4047725

W. B. Papageorge - General Offices, B2NA

March 5, 1973

THERMINOL FR -
AKRON LABORATORIES

H. S. Bergen - B2SL
M. E. Gatens - 1010
A. Obel - B3NA
C. Paton - B2SC
D. E. Roush - B2SC
E. J. Young - 1010

Mr. J. Cresce
B3NA

What is the status of the project for replacing the
Therminol FR fluid at the Akron office and laboratory
facilities?

W. B. Papageorge

/bt

DSW 173205

STLCOPCB4047726

bcc: C. P. Farley - B2SG
F. G. Sutton - B2SD

March 2, 1973

Ms. Anna W. Crull
6110 Cheena
Houston, Texas 77035

Dear Ms. Crull:

Your letter of February 15 addressed to Monsanto's Dr. Cumming Paton has been referred to me for response since I have been intimately involved with the studies of polychlorinated biphenyls and the environment.

As you know, Monsanto has withdrawn the marketing of Aroclors from all applications except for use as a dielectric fluid in the manufacture of transformers and capacitors. This voluntary withdrawal has received support from all the governmental agencies that have been involved. I am enclosing copies of reports relating to this PCB situation for your use in the event you have not seen them.

I have referred your request for information relating to flame retardant chemicals to Monsanto's Dr. Clay Hathaway. You should be hearing from him shortly.

I hope this information is useful to you. If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: C. E. Hathaway

X, AA, Z

DSW 173206

STLCOPCB4047727

March 2, 1973

Mr. Joel Miller
Product Manager
Armour Dial
Greyhound Tower
Phoenix, Arizona 85077

Dear Mr. Miller:

Attached is a copy of the specifications for
Monsanto's Dequest 2041 which you requested
from Mr. Daryl Jones.

If I can be of further service please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Mr. D. L. Jones
Chicago

bcc: C. S. Alack - B2SJ

DSW 173207

STLCOPCB4047728

March 2, 1973

Academic Press, Inc.
111 Fifth Avenue
New York, New York 10003

Gentlemen:

I would appreciate your sending me three copies of Environmental Research, Volume 5, Number 3, September 1972. Please enclose invoice with copies and send to my attention.

Thank you for your cooperation in this matter.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173208

STLCOPCB4047729

W. B. Papageorge - General Offices, B2NA

March 2, 1973

R. S. Baker - B2SB

H. S. Bergen - B2SL

J. S. Metcalf - BLNC

PRODUCT ACCEPTABILITY
OBJECTIVES - 1973

Mr. W. R. Corey
B2SL

Attached is the final version of my 1973 objectives.

W. B. Papageorge

/bt

Attachment

DSW 173209

STLCOPCB4047730

MONSANTO INDUSTRIAL CHEMICALS COMPANY

FUNCTIONAL PRODUCT GROUPS

PRODUCT ACCEPTABILITY OBJECTIVES - 1973

OVERALL OBJECTIVE:

Assist the Special Chemicals System Group and the Specialty Products Group in their efforts to adequately characterize and control present and future products to assure acceptability to customers, regulatory authorities and society.

OBJECTIVES:

Targeted
Completion Date

- | | |
|--|---------|
| 1. Develop position description for Manager, Product Acceptability. | 3/1/73 |
| 2. Review with the business groups the scope and method of operation of the Product Acceptability function. | 4/1/73 |
| 3. Participate in the development of MICC procedures for the approval of product, raw material and customer specifications. Implement the procedures in FPQ. | 7/1/73 |
| 4. Participate in the development of a uniform system for reporting customer problems with MICC products worldwide. Implement in FPQ. | 7/1/73 |
| 5. Implement the MICC procedure for the release of products for shipment. | |
| a. Develop schedule for modifying product specifications to comply with the procedure. | 10/1/73 |
| b. Modify specifications for at least two products. | 11/1/73 |
| 6. Coordinate the environmental impact review of all Specialty Products Group products. | 6/1/73 |

DSW 173210

STLCOPCB4047731

7. Develop and implement a procedure for initiating toxicity evaluations of products by consulting laboratories.

5/1/73

8. Aggressively establish and maintain effective relationships with appropriate representatives of governmental entities to achieve mutual understandings and cooperation and to prevent precipitous actions.

Continuing

9. Assure that appropriate product evaluations are made to anticipate the existence of potential safety and environmental problems and action plans are developed accordingly.

Continuing

DSW 173211

STLCOPCB4047732

March 2, 1973

Dr. L. B. Willett
Department of Dairy Science
Ohio Agricultural Research
and Development Center
Wooster, Ohio 44691

Dear Dr. Willett:

Enclosed is a Monsanto Company check dated February 14, 1973 made payable to the Ohio Agricultural Research and Development Center for the sum of five thousand dollars.

These funds are offered to help you continue the PCB studies now under way in your laboratory. Hopefully they are adequate to assure a successful completion of the work.

We continue to be very interested in studies relating to PCBs and hope that you can share with us the results of your studies as they develop.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173212

STLCOPCB4047733

W. B. Papageorge - General Offices, B2NA

March 1, 1973

POSITION DESCRIPTION

R. S. Baker - B2SB
H. S. Bergen - B2SL
J. S. Metcalf - B1NC
H. S. Scott - B2NB

Mr. W. R. Corey
B2SL

Attached is the final version of the position description for Manager, Product Acceptability, Functional Product Groups.

W. B. Papageorge

/bt

Attachment

DSW 173213

STLCOPCB4047734

March 1, 1973

Mr. B. R. Goodwin
Polymer Science & Eng. - 5103
American Optical Corporation
Southbridge, Massachusetts 01550

Dear Mr. Goodwin:

I have received your letter of February 22 and regret to inform you that we do not have the materials you require. However, I understand that Walter G. McCrone Associates, Chicago, Illinois may be of some assistance to you in this matter.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173214

STLCOPCB4047735

March 1, 1973

Mr. Charles Makovec
General Manager
Tar Residuals Inc.
565 Fifth Avenue
New York, New York 10017

Dear Mr. Makovec:

I have received your letter of February 26 and regret to inform you that we have no Aroclor 5460 to offer for sale anywhere. Incidentally, Aroclor 5460 is not a polychlorinated biphenyl (PCB) but a polychlorinated terphenyl (PCT)

Your request for export prices covering Guaiacol has been referred to the appropriate product manager and you should be hearing from him shortly.

I hope you find this information useful. If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173215

138

STLCOPCB4047736

March 1, 1973

Dr. James D. Stuart
Department of Chemistry
The College of Liberal
Arts and Sciences
The University of Connecticut
Storrs, Connecticut 06268

Dear Dr. Stuart:

I have received your letter of February 26
and regret to inform you that we do not have
the materials you requested and know of no
source where they might be obtained.

I hope the lack of this material does not
seriously inconvenience you.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173216

137

STLCOPCB4047737

W. B. Papageorge - General Offices, B2NA

March 1, 1973

Messrs.

H. S. Bergen - B2SL
W. R. Corey - B2SL
K. W. Easley - 1920
T. L. Gossage - B2SL
C. Paton - B2SC

Attached is a copy of a U.S.G.S. notice banning the use of PCBs on off-shore gas-producing operations.

It is my opinion that this action resulted from Monsanto discussions with representatives of U.S.G.S. in Louisiana and with Dr. Terry Davies, CEQ, regarding the reported existence of a producer of PCBs which were being sold to off-shore operators.

W. B. Papageorge

/bt

Enclosure

DSW 173217

STLCOPCB4047738

PROPERTY
OF THE
FEDERAL GOVERNMENT

DSW 173218

STLCOPCB4047739

February 28, 1973

Mr. H. Belt
Del Paint Manufacturing Corp.
3105 East Reno
Oklahoma City, Oklahoma 73117

Dear Mr. Belt:

I have received your Purchase Order No. 01471
of February 19 for one drum of Aroclor 6062
and regret to inform you that, due to environ-
mental considerations, Monsanto has discontinued
the manufacture and sale of this product.

I hope the lack of this material does not seriously
inconvenience you.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173219

STLCOPCB4047740

February 28, 1973

Dr. Theresa S. Chen
Department of Pharmacology
University of Louisville
School of Medicine
Medical-Dental Research Building
511 South Floyd Street
Louisville, Kentucky 40202

Dear Dr. Chen:

I have received your request for samples of
Aroclor 1221 and Aroclor 1254 and am forwarding
these samples to you under separate cover.

If I can be of further service, please let
me know.

Sincerely

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

+ - 1221
1254

- 5/7 - 1571

DSW 173220

STLCOPCB4047741

February 28, 1973

Mr. Harold L. McAdow
Branch Manager
McKesson Chemical Company
1795 East Moler Road
Columbus, Ohio 43207

Dear Mr. McAdow:

Monsanto's J. Coleman Weber has informed me of your request for a Material Safety Data Sheet covering Monsanto's Santocel C. I am enclosing a Data Sheet covering this product which I hope will fulfill your needs.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173221

STLCOPCB4047742

February 28, 1973

Mr. James Ignatowski
Benlo Chemicals
1907 S. 89th Street
Milwaukee, Wisconsin 53227

Dear Mr. Ignatowski:

Enclosed are our Materials Safety Data Sheets
on Monsanto's Dequest 2000 and Dequest 2010
which you requested from our Chicago Sales
Office.

If I can be of further service, please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173222

STLCOPCB4047743

February 23, 1973

Dr. Theresa S. Chen
Department of Pharmacology
University of Louisville
School of Medicine
Medical-Dental Research Building
511 South Floyd Street
Louisville, Kentucky 40202

Dear Dr. Chen:

I have received your letter of February 15 requesting samples of Aroclor 1221, Aroclor 1254 and Aroclor 1260. I am enclosing a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I can supply you with samples of Aroclor 1221 and Aroclor 1254. I regret I am unable to supply samples of Aroclor 1260 but Monsanto has discontinued the manufacture of this product and our supply of samples has been depleted.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173223

STLCOPCB4047744

February 23, 1973

Dr. Waynon Johnson
Fish-Pesticide Research Laboratory
Bureau of Sport Fisheries
and Wildlife
U. S. Department of the Interior
Route 1
Columbia, Missouri 65201

Dear Dr. Johnson:

I am enclosing copies of Monsanto's Technical
Bulletin No. IC/PS-3 and Technical Bulletin
IC/PS-8 pertaining to Monsanto's Penta that
I offered to send you.

If I can be of further service, please let
me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures-2

IC/PS-3
IC/PS-8

DSW 173224

STLCOPCB4047745

February 22, 1973

Dr. Victor J. Domenichello
Branch Manager
McKesson Chemical Company
500 N. North Point Road
Baltimore, Maryland 21237

Dear Dr. Domenichello:

I have received your letter of January 23 requesting Material Safety Data Sheets for Monsanto's Lampblack No. 1 and Syton P. I am enclosing copies of Data Sheets covering these products.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures-2

DSW 173225

STLCOPCB4047746

February 22, 1973

Mr. John Meyer
Joslyn Manufacturing and
Supply Company
969 West 37th Place
Chicago, Illinois 60609

Dear Mr. Meyer:

I have received your request for a one quart sample of Monsanto's Askarel and am forwarding to you under separate cover a sample of Aroclor 1016, which is the principal Askarel used in capacitor manufacture.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1016 s/n 1570

DSW 173226

STLCOPCB4047747

February 22, 1973

Mr. J. R. Wood
Corporate Purchasing
P. R. Mallory & Co., Inc.
3029 E. Washington Street
Indianapolis, Indiana 46206

Dear Mr. Wood:

I have received your Purchase Order No. 36127 of February 13 requesting Aroclor 1016 standards and am enclosing a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will make arrangements to have this standard forwarded to you.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173227

135
STLCOPCB4047748

February 22, 1973

EPA Publications Distribution Section
Route 8, Box 116
Highway 70 West
Raleigh, North Carolina 27612

Gentlemen:

I am interested in obtaining a copy of Report
EPA-R2-72-010 and would appreciate your sending
me a copy or information on where I might
obtain a copy.

If there is any charge for this publication
please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173228

STLCOPCB4047749

February 21, 1973

Dr. Griffith E. Quinby
P. O. Box 1313
Wenatchee, Washington 98801

Dear Dr. Quinby:

I too am puzzled regarding the origin of the statement that only one in a hundred million ballasts burn out or otherwise fail. I personally am not aware that anyone in Monsanto has made that claim. We have relied on information from the electrical industry and have used references such as the General Electric article referred to in your letter. In fact, this General Electric article was the source of our statements which we made before the Interdepartmental Task Force on PCBs in Washington on May 15, 1972. I have enclosed a copy of the full presentation for your use.

I am tempted to speculate that perhaps someone has attempted to distinguish between those capacitor failures that result in electrical malfunction and those capacitor failures which result in a rupture of the capacitor container and immediate release into the environment. This attempt at differentiating between the two types of failures could have resulted in the lower failure rate quoted. I believe representatives of the capacitor industry are in a better position to comment in this area than I am. You may wish to contact Dr. A. Pozefsky, General Electric Company, Hudson Falls, New York. Dr. Pozefsky may be able to give you more precise information relating to ballasts and thermal controls as required by the Manual of National Electrical Code 1971.

We have long recognized that disposal of failed small capacitors which are widely distributed is extremely difficult to control. With this in mind we have developed a more degradable version of capacitor PCB fluid. You will note in the attached report that we do not propose that this fluid can be freely discharged in the environment

W
DSW 173229

STLCOPCB4047750

Dr. Griffith E. Guinby
February 21, 1973
Page 2

but we do believe that any of this material which accidentally escapes control will eventually degrade. It is our considered opinion that, although this is not the ultimate desired solution, it represents a significant step in the proper direction.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Dr. R. E. Kelly

Dr. A. Pozefsky
General Electric Company
Hudson Falls, New York

DSW 173230

STLCOPCB4047751

February 21, 1973

Mr. John F. Ripley, President
Ripley Resin Engineering Company
2337 North 17th Avenue
Franklin Park, Illinois 60131

Dear Mr. Ripley:

Enclosed is our Material Safety Data Sheet
on Monsanto's Santocel which Mr. Wilson F.
Souders, Jensen-Souders Associates, Inc.,
requested we send you in his letter of
February 9, 1973.

If I can be of further service, please let
me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Mr. Wilson F. Souders
Jensen-Souders Associates, Inc.

DSW 173231

STLCOPCB4047752

February 21, 1973

Dr. Selma K. Dritz
Department of Public Health
City and County of
San Francisco
101 Grove Street
San Francisco, California 94102

Dear Dr. Dritz:

I regret I cannot send you a list of our customers who purchase biphenyl as requested in your letter of February 7. This type of information is typically considered highly confidential and it is Monsanto Company's policy not to divulge customer names to anyone. I hope you can appreciate the importance of this type of information, both to Monsanto and to its customers, in our highly competitive society.

It may be of interest to you to know that Monsanto is not the sole producer and distributor of biphenyl. There are many more sources throughout the world capable of supplying biphenyl into your area.

The article which appeared recently in the Archives of Environmental Health implies that information relating to the toxicity of biphenyl is lacking. I have enclosed a copy of Report No. R 1838 from the Central Institute for Nutrition and Food Research T.N.O., dated November, 1964, which I hope you find informative.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173232

STLCOPCB4047753

February 20, 1973

Mr. Frank A. Lehmann
Technical Coordinator
Avon Products, Inc.
Suffern, New York 10901

Dear Mr. Lehmann:

Attached is a signed copy of your specification
sheet for Ethylene Copolymer, Code O-0588-1.

If I can be of further service, please let
me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Attachment

bcc: C. S. Alack - B2SG
E. L. Moore - B2SJ

DSW 173233

STLCOPCB4047754

W. B. Papageorge - General Offices, B2NA

February 20, 1973

RAW MATERIAL SPECIFICATION
Benzoyl Peroxide - Dry

Mr. R. F. Neunuebel
ElSD

Attached is a proposed Raw Material Specification for Benzoyl Peroxide to be used in the manufacture of EMA Resins. Will you please confirm that Lucidol can supply material meeting these specifications.

If this material is available and meets with your approval, will you sign in the proper space under Approvals.

W. B. Papageorge

/bt

Attachment

DSW 173234

STLCOPCB4047755

W. B. Papageorge - General Offices, B2NA

February 20, 1973

D. Oosthuizen - B2SJ

STANDARD ANALYTICAL METHOD

Silester A-1 - Remet

Gel Time

Mr. F. B. Klemencic

1650 - New York

Attached is a copy of the Silester A-1 Gel
Time procedure you requested in your wire
on February 15 for Remet.

W. B. Papageorge

/bt

Attachment

DSW 173235

18
STLCOPCB4047756

February 16, 1973

Mr. James A. Gaunt
Analytical Services Laboratory
Iowa State University
of Science and Technology
Ames, Iowa 50010

Dear Mr. Gaunt:

I have received your letter of February 9 requesting samples of Aroclor 1242, Aroclor 1254 and Aroclor 1260. I am enclosing a Request for Sample Quantity of Products Containing Polychlorinated Biphenyls. If you will return the completed form to me I will make arrangements to have samples of Aroclor 1242 and Aroclor 1254 forwarded to you. I cannot send a sample of Aroclor 1260 as Monsanto has discontinued the manufacture of the product and our supply of samples has been depleted.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173236

STLCOPCB4047757

February 16, 1973

Mr. Lawrence J. Majewski
Conservation Center of the
Institute of Fine Arts
New York University
1 East 78th Street
New York, New York 10021

Dear Mr. Majewski:

I have received your letter of February 8 requesting a sample of Aroclor 5442 and regret to inform you that Monsanto has discontinued the manufacture of this product and our supply of samples has been depleted.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173237

STLCOPCB4047758

February 15, 1973

Dr. William W. Walker
Microbiology Section
Gulf Coast Research Laboratory
P. O. Box AG
Ocean Springs, Mississippi 39564

Dear Dr. Walker:

I have received your request for samples of
Aroclors and am forwarding to you under separate
cover samples of Aroclor 1242 and Aroclor 1254.

If I can be of further service, please let
me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1242 } S/72 1569
1254 }

DSW 173238

STLCOPCB4047759

February 15, 1973

Mr. Robert Kalinski
Department of Biology
Ohio State University
Columbus, Ohio 43210

Dear Mr. Kalinski:

Monsanto's Wil Clark has informed me of your request for samples of Aroclor 4465 and Aroclor 5460. I regret to inform you that, because of environmental problems, the Aroclors you request are no longer available to applications such as yours.

I understand that Walter G. McCrone Associates, Chicago, Illinois supplies media for mounting specimens. Perhaps they can be of some assistance to you.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

cc: Mr. W. S. Clark

DSW 173239

STLCOPCB4047760

February 15, 1973

Ms. Elizabeth Jones
Ciba-Geigy Corporation
180 Mill Street
Cranston, Rhode Island 02905

Dear Ms. Jones:

Ms. Alice Camuso of our Everett plant has informed me of your need for a Material Safety Data Sheet covering Monsanto's EMA-91. I am enclosing a copy of the Data Sheet covering this product.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Ms. Alice Camuso
Everett

DSW 173240
112

STLCOPCB4047761

February 15, 1973

Dr. Peter Schoor
Environmental Protection Agency
Gulf Breeze Research Laboratory
Gulf Breeze, Florida 32561

Dear Dr. Schoor:

I have received your request for a one pound sample of Aroclor 1254 and a two pound sample of Aroclor 1016 and am forwarding these samples to you under separate cover.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1254 } 5/72 1268
A-1016 }

DSW 173241

STLCOPCB4047762

February 15, 1973

Mr. Morris H. Roberts, Jr.
Aquatic Sciences, Inc.
2524 N.W. Second Avenue
Boca Raton, Florida 33432

Dear Mr. Roberts:

I have received your request for a sample
of Aroclor 1016 and am forwarding this sample
to you under separate cover.

If I can be of further service, please let
me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1016 - S/x 1567

DSW 173242

STLCOPCB4047763

February 15, 1973

Mr. C. B. Townsend
RDC Purchasing
Carrier Air Conditioning Company
Carrier Parkway
Syracuse, New York 13201

Dear Mr. Townsend:

I have received your request for one quart
samples of Aroclor 1242 and Aroclor 1254 and
am forwarding these samples to you under separate
cover.

If I can be of further service, please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1242 } sp 15-66
A-1254 }

DSW 173243

STLCOPCB4047764

February 15, 1973

Ms. Joan M. Duswalt
Research and Development
American Viscose Division
FMC Corporation
Marcus Hook, Pa. 19061

Dear Ms. Duswalt:

I am enclosing a copy of Monsanto's Methodology
for the Determination of Polychlorinated Biphenyls
as you requested in your letter of February 8,

I hope you find this publication interesting
and informative. If I can be of further service,
please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure



DSW 173244

STLCOPCB4047765

February 15, 1973

Mr. Kuo-Ching Ma
Department of Chemistry
Florida State University
Tallahassee, Florida 32306

Dear Sir:

I have received your letter of February 5 requesting a copy of Monsanto's Technical Bulletin O/PL-306A. I am enclosing a copy of this publication which I hope you find interesting and informative.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

T

DSW 173245

STLCOPCB4047766

W. B. Papageorge - General Offices, B2NA

February 13, 1973

Messrs.

P. O. DeGarmo	- B3NJ
J. S. Metcalf	- B1NC
J. F. Stapleton	- B2SA
J. C. Weber	- E1SF
E. P. Wheeler	- A2SA

Attached are copies of instructions, forms, Federal Register notices and a copy of the regulation relating to the voluntary filing of cosmetic product ingredient and cosmetic raw material composition statements.

We will be approached by our customers to submit forms FD2513 and FD2513a for products which we supply to them.

W. B. Papageorge

/bt

Attachments

DSW 173246

STLCOPCB4047767

February 13, 1973

Mr. D. J. Broome
Purchasing Agent
American Cyanamid Company
Wayne, New Jersey 07470

Dear Mr. Broome:

As requested in your letter of January 11, 1973
we have submitted forms FD2513 and FD 2513a re-
lating to Monsanto's EMA-91.

If I can be of further service, please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

cc: Mr. P. Losquardo
New York

DSW 173247

STLCOPCB4047768

W. B. Papageorge - General Offices, B2NA

February 13, 1973

J. F. Stapleton - B2SA

1972 EXCEPTION REPORTS

JSM Memo dated 2/5/73

Mr. J. S. Metcalf
B1NC

Listed below, as requested, are the Exception Reports received at our Camden plant in 1972. All pertain to the SCS Business Group.

QUALITY

<u>Product</u>	<u>Customer</u>	<u>Complaint</u>
Mould Coat	Phelps Dodge	Customer has experienced difficulty in use
Phos Chek P/30	Quell Corp.	Material off color
Mould Coat	American Metal Climax	Sizing

SERVICE

Lampblack	A. C. Mueller	Shipment damage
Mould Coat	Monsanto International	Lack of labels
Lampblack	Exide Power Systems	Late shipment
Lampblack	A. C. Mueller	Loading arrangement
Lampblack	E. I. duPont	Delayed part of order
Lampblack	S. L. Abbot	Package change
Mould Coat	Phelps Dodge	Delayed part of shipment

W. B. Papageorge

/bt

DSW 173248

105
STLCOPCB4047769

W. B. Papageorge - General Offices, B2NA

February 9, 1973

R. S. Baker - B2SB

H. S. Bergen - B2SL

J. S. Metcalf - B1NC

POSITION DESCRIPTION

Mr. W. R. Corey
B2SL

Attached is a draft of a Position Description of my
current assignment.

I would appreciate comments from all recipients.

W. B. Papageorge

/bt

Attachment

DSW 173249

STLCOPCB4047770

POSITION TITLE Manager, Product Acceptability	LOCATION
COMPANY OR STAFF DEPARTMENT Monsanto Industrial Chemicals Company	JOB NUMBER
UNIT Functional Product Groups Administration	DEPARTMENT OR SECTION
REPORTS TO Group Director, Functional Product Groups	DATE:

PURPOSE OF THE POSITION:

Coordinate and contribute to the Functional Product Groups' activities in the management of product acceptability and insure that these activities conform to MICC policy.

RESPONSIBILITIES: (List 3 or 4 Most Important and include Approximate Percent of Time Spent on each.)

1. Administers programs for product and raw material specifications, monitoring of product quality and customer acceptance.
2. Provides assistance and direction for product compliance with governmental regulatory criteria.
3. Coordinates activities relating to product safety and environmental impact.
4. Monitors products for potential product liability problems and insures appropriate corrective action is taken.
5. Assists in the appropriate responses to unusual requests concerning information on the characteristics and applications of our products to avoid precedent-setting commitments or product liability consequences.

SUPERVISION:

Direct: One secretary

Technical personnel assigned as required

Functional: Works closely with the appropriate representatives of the involved functions as they exist within the business group and plant organizations.

W. B. Papageorge - General Offices, B2NA

February 9, 1973

J. DiTomaso - 1410
R. D. McDaniel - B2SJ
E. L. Moore - B2SJ
D. Oosthuizen - B2SJ
H. Teicher - NIA

Mr. F. Macdonald
5460 - Newport

We have established a tentative Gel Time specification of 50-100 seconds for the Silester OS we are transshipping from the Everett plant. This Gel Time test is being conducted and the results reported to the customer by the Everett plant.

To avoid the possibility of releasing a shipment from Newport that does not conform to this tentative specification, will you please arrange for a Gel Time test to be conducted at Newport prior to shipment. Harry Teicher informs me that the procedure for this test has been mailed to you. Material which does not meet this specification should not be shipped to Everett. Do not report your test results on the certificate of analysis for each shipment.

W. B. Papageorge

/bt

DSW 173251

STLCOPCB4047772

February 9, 1973

Mr. A. M. Salazar
National Electrical
Manufacturers Association
156 East 44th Street
New York, New York 10017

Dear Al:

Enclosed are original charts as you requested
yesterday. We would appreciate you returning
these originals.

Thank you.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures (7)

DSW 173252

STLCOPCB4047773

W. B. Papageorge - General Offices, B2NA

February 8, 1973

E. K. Brakebill - B2SJ

R. D. Hogue - N1A

PHOSPHATE LEGISLATION - DEQUEST

T. M. King - N1A

Mr. C. S. Alack
B2SQ

I have reviewed some of the current phosphate legislation to determine how it might apply to our Dequest formulations. In every case the legislation refers to detergents. A typical definition of the term "detergent" reads as follows:

The term detergent means any cleaning compound which is available for household use, laundry use or industrial use, which is composed of organic and inorganic compounds, soaps, water softeners, surface active agents, dispensing agents, foaming agents, buffering agents, builders, fillers, dyes, enzymes and fabric softeners whether in the form of crystals, powders, flakes, bars, liquids, sprays or any other form.

In every instance the references to phosphate content do not make any attempt to describe how the phosphorus is present chemically. It would appear that the Dequests with phosphorus present and used in cleaning compounds would be affected by these laws.

Summaries of legislation in specific areas are as follows:

Miami - Phosphates in household detergents are banned. The Dade County Pollution Control Hearing Board on April 13, 1972 granted an extension to July 1, 1973 exempting mechanical dishwashing compounds and products used for industrial and institutional purposes.

Chicago - The City Department of Environmental Control extended for one year to December 31, 1973 the continued presence of phosphates in mechanical dishwashing compounds and industrial and institutional products.

Buffalo (Erie County) - The presence of phosphates in detergents was banned on January 1, 1972 but mechanical dishwashing products and industrial and institutional uses are exempt.

DSW 173253

STLCOPCB4047774

Mr. C. S. Alack
February 8, 1973
Page 2

Indiana - At present phosphates are totally banned except for mechanical dishwashing compounds and industrial and institutional products which are exempt until April 30, 1973. The State Legislature is currently favorably considering an alternative bill which will restore the limited use of phosphate and eliminate the April 30 termination date for the exempted uses.

The expression "industrial and institutional uses" includes bottle washing operations.

I have attached a summary of state and local phosphate legislation which I hope you find useful. As you well know, the use of phosphates in detergents continues to be rather emotional and considerable activity remains in the many legislatures and other law-making groups. Because of the degree of activity and the resulting changes in local situations, I recommend that in discussions with our customers we avoid giving the impression of offering firm legal advice and in every case we should recommend that the customer consult with his legal advisors relating to legislation in those areas in which he intends to market his product.

W. B. Papageorge

WBP/bt

Attachment

DSW 173254

STLCOPCB4047775

Monsanto

OUTGOING MESSAGE BLANK
Telecommunications System

DATE

2/8/73

TIME

9:30

SENDER'S ACCOUNT NO.

47-000-735.40

INDICATE DESIRED SERVICE → ☐ FULL RATE ☐ DAY LETTER ☐ NIGHT LETTER

Names of addressee and sender must include initials. Show complete address for telegrams and cables.

J. N. Haggart
Brussels

Re Santobrite in mushroom industry, your telex 1/17. Do you
have information as promised under your item #3.

W. B. Papageorge
St. Louis, Mo.

IN-IR
REV. 7-64

for **BETTER** *service* - Forward to transmitting operator IMMEDIATELY after preparation.

DSW 173255

STLCOPCB4047776

W. B. Papageorge - General Offices, B2NA

February 7, 1973

R. S. Baker - B2SB

H. S. Bergen - B2SL

J. S. Metcalf - B1NC

PRODUCT ACCEPTABILITY
OBJECTIVES - 1973

Mr. W. R. Corey
B2SL

Attached is a draft of my objectives for 1973.

May I have your comments.

W. B. Papageorge

/bt

DSW 173256

STLCOPCB4047777

MONSANTO INDUSTRIAL CHEMICALS COMPANY
FUNCTIONAL PRODUCT GROUPS
PRODUCT ACCEPTABILITY OBJECTIVES - 1973

OVERALL OBJECTIVE:

Assist the Special Chemicals System Group and the Specialty Products Group in their efforts to adequately characterize and control present and future products to assure acceptability to customers, regulatory authorities and society.

OBJECTIVES:

Targeted
Completion Date

- | | |
|---|--------|
| 1. Develop position description for
Manager, Product Acceptability | 3/1/73 |
| 2. Review with the business groups the
scope and method of operation of the
Product Acceptability function. | 4/1/73 |
| 3. Participate in the development of MICC
procedures for the approval of product,
raw material and customer specifica-
tions. Implement the procedures in FPG. | 7/1/73 |
| 4. Participate in the development of a
uniform system for reporting customer
problems with MICC products worldwide.
Implement in FPG. | 7/1/73 |

OBJECTIVES (cont'd)

Targeted
Completion Date

- | | |
|--|---------|
| 5. Implement the MICC procedure for the release of products for shipment. | |
| a. Develop schedule for modifying product specifications to comply with the procedure. | 10/1/73 |
| b. Modify specifications for at least two products. | 11/1/73 |
| 6. Coordinate the environmental impact review of all Specialty Products Group products. | 5/1/73 |
| 7. Develop and implement a procedure for initiating toxicity evaluations of products by consulting laboratories. | 3/1/73 |

DSW 173258

February 7, 1973

Mr. John Meyer
Joslyn Manufacturing and
Supply Company
969 West 37th Place
Chicago, Illinois 60609

Dear Mr. Meyer:

Bob Weyland, of our Chicago office, has informed me of your request for a one quart sample of Askarel. I am enclosing a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will make arrangements to have the sample you request forwarded to you.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Mr. R. V. Weyland
Chicago

DSW 173259

STLCOPCB4047780

W. B. Papageorge - General Offices, B2NA

February 7, 1973

C. Paton - B2SC

J. R. Savage - B2SL

MATERIAL SAFETY DATA SHEETS
SANTOSOL 300 and 340

Mr. L. C. Lahman
1060 - Anniston

Will you please forward copies of your Material Safety
Data Sheets (OSHA-20) for Santosol 300 and Santosol 340
to my attention.

Thank you.

W. B. Papageorge

/bt

DSW 173260

97

STLCOPCB4047781

W. B. Papageorge - General Offices, B2NA

February 6, 1973

TOXICITY STUDIES -
WORK REQUEST FORM

Messrs.

R. S. Baker - B2SB
H. S. Bergen - B2SL

R. E. Beal - B2SL
W. R. Corey - B2SL
S. R. Hinds - B2SB
A. J. Koenig - B2SC
G. J. Levinskas - A2SA
W. R. Richard - T3A
W. F. Symes - N1A
E. P. Wheeler - A2SA

As an aid to better management of the Product Acceptability budgets and to improve communications among those concerned, I have attached drafts of a Work Request form for your respective groups.

I would appreciate comments from all recipients.

W. B. Papageorge

/bt

Attachment

DSW 173261

STLCOPCB4047782

February 6, 1973

Superintendent of Documents
Government Printing Office
Washington, D.C. 20402

Gentlemen:

Please send one copy of EPA-R2-72-004 16020 GIY,
"Identification of Polychlorinated Biphenyls in
the Presence of DDT-Type Compounds" by Baird-
Atomic, Inc., Bedford, Ma. to the following:

Mr. W. B. Papageorge
Monsanto Company
800 North Lindbergh Boulevard
St. Louis, Missouri 63166

A check for \$1.25 is enclosed.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173262

STLCOPCB4047783

Consent

OUTGOING MESSAGE BLANK

Telecommunications System

DATE

2/6/73

TIME

9:15

SENDER'S ACCOUNT NO.

47-000-735.40

INDICATE DESIRED SERVICE → ☐ FULL RATE ☐ DAY LETTER ☐ NIGHT LETTER

Names of addressee and sender must include initials. Show complete address for telegrams and cables.

J. N. Haggart
Brussels

Re Environmental Impact Statement PCB Rule Making. I recommend you proceed with mailing of impact statement to interested parties. American Paper Institute has submitted comments severely criticizing impact statement for incompleteness and claims rule making would be invalid if promulgated at this time. A copy of these comments are being mailed to you. Regulations are now expected to be published in March at earliest.

W. B. Papageorge
St. Louis, Mo.

[Handwritten signature]

93

IN-IR
REV. 7-64

for **BETTER service** - Forward to transmitting operator IMMEDIATELY after preparation.

DSW 173263

STLCOPCB4047784

February 5, 1973

Mr. J. Monette
Department of National Revenue
P. O. Box 6092
Station "A"
Montreal, Quebec
Canada

Re: M4585-81(JM)
MC B 4727

Dear Mr. Monette:

The Phos-Chek® P/30 which Monsanto currently exports into Canada is 100% ammonium polyphosphates and does not contain more than 6 mg of arsenic per kg.

I regret I do not have a certificate of analysis to share with you, however, I am sending you a copy of a Monsanto Product Specification relating to Phos-Chek® P/30.

I hope this information meets your current needs. If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

bcc: W. H. Duffey - ELSA
A. R. Handleman - B2SJ

DSW 173264

STLCOPCB4047785

February 5, 1973

Mr. B. M. Keever
Purchasing Agent
J. P. Stevens & Co., Inc.
P. O. Box 21247
Greensboro, N. C. 27420

Dear Mr. Keever:

We have received your letter of December 13, 1972 requesting data on Monsanto's EMA-Resin 81 and regret to inform you that the information you request is not available at this time. However, we would not expect these elements to be present in any pollutionally significant amounts.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173265

STLCOPCB4047786

February 2, 1973

Dr. William W. Walker
Microbiology Section
Gulf Coast Research Laboratory
P. O. Drawer AQ
Ocean Springs, Mississippi 39564

Dear Dr. Walker:

I have received your letter of January 26, 1973 requesting Aroclor samples and technical information. I have enclosed a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will make arrangements to have the samples you request forwarded to you.

I have also enclosed a copy of "Chlorinated Biphenyl and Related Compounds" taken from the Encyclopedia of Chemical Technology, Monsanto Technical Bulletin O/PL-306A and Monsanto Methodology for Aroclor. I hope you find these publications useful and informative.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

E, G, N

DSW 173266

STLCOPCB4047787

February 2, 1973

Ms. Mary Jane Dean
Chemtech Corporation
7882 Folk
St. Louis, Missouri 63141

Dear Ms. Dean:

Enclosed are the two copies of the Product Specification for Monsanto's Alkophos C and Alkophos CE that you requested from our St. Louis Sales Office.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

bcc: Mr. D. Oosthuizen
B2SJ

DSW 173267

STLCOPCB4047788

February 2, 1973

Mr. Richard H. Gray
Sales Representative
McKesson Chemical
Woodbridge Branch
160 Essex Avenue East
Avenel, New Jersey 07001

Dear Mr. Gray:

In reply to your letter of January 25 to our New York Office, we do not have any data on trace metals in our Amyl Acid Phosphate. However, we would not expect these elements to be present in any pollutionally significant amounts.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

cc: Mrs. Pat Walters
New York

bcc: Mr. D. Oosthuizen
B2SJ

DSW 173268

STLCOPCB4047789

February 2, 1973

Mr. William F. Harrold
Assistant Branch Manager
McKesson Chemical Company
Woodbridge Branch
160 Essex Avenue East
Avenel, New Jersey 07001

Dear Mr. Harrold:

In reply to your letter of November 28, 1972 to our New York Office, we do not have any data on trace metals in our Ethyl Acid Phosphate. However, we would not expect these elements to be present in any pollutionally significant amounts.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

cc: Mr. Bryan Hayward
New York

bcc: Mr. D. Oosthuizen
B2SJ

DSW 173269

STLCOPCB4047790

W. B. Papageorge - General Offices, B2NA

February 2, 1973

R. D. McDaniel - B2SJ
H. Teicher - N1A

SYTON EZ-50

Memo, DO to HT, 1/26/73

Mr. D. Oosthuizen
B2SJ

The Food and Drug Administration, as a matter of policy, does not approve substances by trademark and will only consider chemical, generic or common designations. Therefore, they cannot consider approval of our Syton EZ-50 without divulging the presence of Silicon Dioxides and Sorbitol. I can appreciate why we do not wish to divulge these ingredients at this time.

Both Silicon Dioxides and Sorbitol are acceptable by the FDA in paper and paperboard packaging as shown on the attached copies of portions of the regulation. Using this information as a basis, I propose the following statement be considered at this time:

SYTON® EZ-50 meets federal requirements for use in the manufacture of food packaging under existing food additives regulations.

The ingredients present in SYTON® EZ-50 have been granted GRAS status by the Food and Drug Administration and are included in a list of substances migrating to food from paper and paperboard products used in food packaging that are generally recognized as safe (21 CFR 121.101h). The properties of the ingredients which permit acceptability are not altered in any way during its manufacture, therefore, SYTON® EZ-50 itself meets the requirements. Additional reference to acceptability may also be found in part 121.2526(a)(2) of the regulation.

I hope this type of statement will be of some help at this time. Please feel free to reword. If the intent of the statement is altered I would appreciate reviewing your draft.

W. B. Papageorge

/bt

Attachment

DSW 173270

STLCOPCB4047791

February 2, 1973

Mr. David Donson
Certified Alloy Products
3245 Cherry Avenue
Long Beach, California 90807

Dear Mr. Donson:

Your letter to Monsanto Company dated January 23 has been forwarded to me for response. I regret to inform you that the fluids Santovac I and Santovac II are no longer available and have not been sold for almost a year. I recognize that replacement fluids are difficult to obtain and I hope this has not caused you any great inconvenience.

Monsanto does not have any replacement to offer. I suggest you write to Dow Corning Company at Midland, Michigan. I understand they are offering fluids which may be suitable for your particular application.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173271

STLCOPCB4047792

February 1, 1973

Mr. R. S. Leibold
Manager, Technical Service
Armstrong Rubber Company
Pacific Coast Division
P. O. Box 129
Hanford, California 93230

Dear Mr. Leibold:

Enclosed is the Material Safety Data Sheet on
Monsanto's Santocel which you requested in your
letter of January 18 addressed to Mr. George
Prodan of the Harwick Chemical Company.

If I can be of further service please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

bcc: Mr. E. M. Connors
1550 - Los Angeles

DSW 173272

STLCOPCB4047793

February 1, 1973

Mr. E. L. Wagner
Purchasing Agent
Bel-Tronics Corporation
344 Interstate Road
Addison, Illinois 60101

Dear Mr. Wagner:

I have received your letter of January 29, 1973 requesting prices and samples of Aroclor 1260 and regret to inform you that, due to environmental considerations, Monsanto has discontinued the manufacture of this product and our supply of samples has been depleted.

I hope the lack of this material does not seriously inconvenience you. If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173273

STLCOPCB4047794

W. B. Papageorge - General Offices, B2NA

February 1, 1973

E. L. Moore - B2SJ
J. Q. Snyder - N1A

Mr. Lou Saunders
1890 - Texas City

Attached are copies of the EMA analytical methodologies which I offered to send you.

Viscosity Index (Specific Viscosity)	Method 69-4-1
Viscosity of 1% Aqueous Gel	Method 69-6-1
Total Chlorides	Method Luling -
Water in EMA® (By CEC)	Method 69-3-6
Degree of Hydrolysis	Method 69-3-1
Screen Analysis	Method 69-6-2
Free Maleic Acid	Method 69-4-4
Total Volatiles	Method 69-3-7
Acetone Insoluble Material	Method 69-3-4
Water Insolubles	Method 69-3-5

Joe Snyder informs me that the method for determining Dichloroethane as Cl^- is a new one which was developed at Luling and is different from the method you use.

W. B. Papageorge

/bt

Attachment

DSW 173274

STLCOPCB4047795

February 1, 1973

Mr. D. Hewitt
The General Tire & Rubber Company
Chemical/Plastics Division
Jeannette, Pennsylvania 15644

Dear Mr. Hewitt:

We do not have data relating to the amounts of metals present in Santocel 62, your code P-620, which Mr. D. J. Turanchick requested in his letter of January 3.

Santocel 62 is not a hazardous substance as defined under the Federal Hazardous Substances Act under Parts 191.1, 191.5 and 191.9.

Santocel 62 also meets the Food Chemical Codex Trace Impurities Limits for Silicon Dioxide of:

Arsenic as As	< 3 ppm
Heavy Metals as Pb	< 30 ppm
Lead as Pb	< 10 ppm

The methods used in analyses are those described in the Federal Chemical Codex.

Attached is the FDA approval information for our Santocel products. I hope this information is useful to you and if I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt
Attachment

cc: Mr. Charles Matzek
Akron, Ohio

DSW 173275

STLCOPCB4047796

February 1, 1973

Mr. Hal F. Harrington
c/o Fisheries and Wildlife Department
Room 13
Natural Resources Building
Michigan State University
East Lansing, Michigan 48823

Dear Mr. Harrington:

Enclosed is some information on polychlorinated biphenyls which you recently requested.

I hope you find this information useful and if I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

bcc: R. E. Keller - TLB
J. T. Garrett - A2SA

M, O, T

DSW 173276

STLCOPCB4047797

February 1, 1973

Mr. M. B. McBride
PPZER
Kelly Air Force Base
San Antonio, Texas 78241

Dear Mr. McBride:

Monsanto's Mr. Paul Benignus has informed me of your telephone discussion relating to polychlorinated biphenyls in transformer fluids.

I can appreciate your concern relating to the need for special handling of these materials. To help you get a better understanding of the total problem, I am enclosing copies of reports which, in my opinion, are thorough and objective. I hope you find this information useful and I suggest that you share this with others in your organization who are concerned with this problem.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

cc: Mr. P. G. Benignus

DSW 173277

U, X Z. AA,

STLCOPCB4047798

Monsanto

Ongoing Message Blank

DATE

2/1/73

TIME

12:45

SENDER'S ACCOUNT NO.

47-000-735.40

INDICATE DESIRED SERVICE → ☐ FULL RATE ☐ DAY LETTER ☐ NIGHT LETTER

Names of addressee and sender must include initials. Show complete address for telegrams and cables.

F. MacDonald
Newport, Wales

Re bulk Silester OS Newport to Everett certificate of analysis. Thanks
for prompt response. Limits as committed to customer are as follows:

Appearance	A clear, water-white liquid
Odor	Mild, Non-residual
Color	30 APHA Maximum
Silica - (Wt.%)	40.5% Minimum
Specific Gravity @ 15.5/15.5°C	1.060 - 1.080
Alcohol (Wt.%)	1.0% Maximum
Flash Point °F (Abel)	120°F. Minimum
Flash Point °F (COC)	150°F. Typical

Material received at Everett must meet these limits

W. B. Papageorge
St. Louis, Mo.

IN-IR
REV. 7-64

for BETTER service - Forward to transmitting operator IMMEDIATELY after preparation.

DSW 173278

STLCOPCB4047799

MORSE

OUTGOING MESSAGE BLANK

DATE

2/1/73

TIME

12:45

SENDER'S ACCOUNT NO.

47-000-735.40

INDICATE DESIRED SERVICE → ☐ FULL RATE ☐ DAY LETTER ☐ NIGHT LETTER

Names of addressee and sender must include initials. Show complete address for telegrams and cables.

cc: J. DiTommaso - 1410
R. D. McDaniel - B2SJ
E. L. Moore - B2SJ
D. Oosthuizen - B2SJ
J. K. Stephens - B2NK
H. Teicher - N1A

IN-IR
REV. 7-64*for* **BETTER** service - Forward to transmitting operator IMMEDIATELY after preparation.

DSW 173279

STLCOPCB4047800

JANUARY

DSW 173280

STLCOPCB4047801

W. B. Papageorge - General Offices, B2NA

January 31, 1973

THERMINOL 66 -
DETERMINATION IN VEGETABLE OIL

Mr. G. F. Fague
B2SC

Our laboratory has not developed methodology for the determination of Therminol 66 in food products, including vegetable oils. I have attached a copy of a letter Paul Gann wrote to the WARF Institute in which he relayed some of our suggestions offered by our R&D people. I suggest that you send similar information in response to your current inquiry. Items one and three are the pertinent sections.

I have also attached two copies of a methodology for determining Therminol 66 in water. You may wish to forward one of these to your customer.

I hope this information is suitable for your current needs. If the customer insists on a more refined procedure I will ask our R&D people to develop methodology. This may take several weeks of a chemist's time and may cost from one to two thousand dollars.

W. B. Papageorge

/bt

Enclosure

DSW 173281

STLCOPCB4047802

January 31, 1973

Mr. Carl Leslie
Aquatic Sciences, Inc.
2624 N.W. Second Avenue
Boca Raton, Florida 33432

Dear Mr. Leslie:

Enclosed is the Request for Sample Quantity of Product Containing Polychlorinated Biphenyls that I offered to send you. If you will return the completed form to me I will make arrangements to have the samples you request forwarded to you.

I have made arrangements for Mr. Joseph P. Orr, of our Commercial Products Division, to contact you relating to literature on pesticides.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Mr. Joseph P. Orr

DSW 173282

STLCOPCB4047803

W. B. Papageorge - General Offices, B2NA

January 30, 1973

RAW MATERIAL STANDARDS

Mr. Thomas Iversen
1650 - New York

As requested in duPont's letter of January 8, 1973 (copy attached), please enter a sales order on the Camden plant for sixteen pint samples of standard for Lampblack B-5 asking them to send analysis on each lot.

Thank you.

W. B. Papageorge

/bt

Attachment

DSW 173283

13

STLCOPCB4047804

January 30, 1973

Mr. Ranny McMurry
City Health Department
1115 North MacGregor
Houston, Texas 77025

Dear Mr. McMurry:

Enclosed are copies of the literature I offered
to send you. I hope you find this material
interesting and informative.

If I can be of further service, please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

Proctor Applications
1016 Chromatogram
C, E, T, W, X

DSW 173284

January 29, 1973

Mr. O. G. White
Electronics Laboratory
Building 3
Room 8
General Electric Company
Syracuse, New York 13201

Dear Mr. White:

Enclosed are copies of the literature I offered to send you. I hope you find this material interesting and informative.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

E, H, F, G,

DSW 173285

7.0

STLCOPCB4047806

January 29, 1973

Mgr. Jerzy Falandysz
Port Health Officer
Food Research Laboratory
81-338 Gdynia
Str. Chrzanouskiego-19
POLAND

Dear Mr. Falandysz:

I have received your request for samples of Monsanto's Aroclors and am forwarding to you under separate cover samples of Aroclor 1221, and Aroclor 1254. I regret I cannot supply samples of Aroclor 1248, Aroclor 1260 and Aroclor 1268 but Monsanto has discontinued the manufacture of these products and our supply of samples has been depleted.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

7-1221 } 5/72 15-65
A-1254 }

DSW 173286

19

STLCOPCB4047807

January 29, 1973

Dr. V. Srebocan
Zavod Za Farmakologiju I Toksikologiju
Veterinarski Fakultet Aveucilista U Zagrebu
41000 Zagreb
Heinzelova ul. 55
YUGOSLAVIA

Dear Dr. Srebocan:

Your letter of January 10, 1973 addressed to
Monsanto's Mr. J. M. Wagner has been referred
to me for response.

I am most happy to send to you under separate
cover samples of Monsanto's Aroclor 1242 and
Aroclor 1254.

If I can be of further service please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

cc: Mr. J. M. Wagner

A-1242 } 5/72 1564
1254 }

DSW 173287

68

STLCOPCB4047808

OUTGOING MESSAGE BLANK
TELECOMMUNICATIONS SYSTEM

DATE

1/29/73

TIME

3:00

SENDER'S ACCOUNT NO.

47-000-735.40

INDICATE DESIRED SERVICE → ☐ FULL RATE ☐ DAY LETTER ☐ NIGHT LETTER

Names of addressee and sender must include initials. Show complete address for telegrams and cables.

F. MacDonald
Newport, Wales

Re Certificate of Analysis, Bulk Silester OS to Everett. This is clarification. Please ignore all previous instructions. Certificate must show the following characteristics and no others, repeat, no others: Appearance, Odor, Color, Silica, Specific Gravity, Alcohol, Flash Point °F (ABEL), Flash Point °F (COC). Also include shippers numbers, Everett and Newport; lot number, container number; and date of departure. One copy of Certificate to DiTommaso and one copy to me. Please confirm if you can comply.

W. B. Papageorge
St. Louis, Mo.

cc: J. DiTommaso - 1410
R. D. McDaniel - B2SJ
E. L. Moore - B2SJ
D. Oosthuizen - B2SJ
J. K. Stephens - B2NK
H. Teicher - N1A

67

V-IR
EV. 7-64

for **BETTER** service - Forward to transmitting operator IMMEDIATELY after preparation.

January 29, 1973

Mr. William Lauber
DAP, Inc.
P. O. Box 277
Dayton, Ohio 45401

Dear Mr. Lauber:

In reply to Mr. Wilson F. Souders' request to supply you with data on lead content in Monsanto's Santocel 62, we have the following information to offer:

Lead (Pb)	< 10 ppm
Heavy metals (Pb)	< 30 ppm
Arsenic	< 3 ppm

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

cc: Mr. Wilson F. Souders
Jensen-Souders Associates Inc.

DSW 173289

STLCOPCB4047810

January 29, 1973

Mr. George Eames
Purchasing Manager
The Valspar Corporation
Valspar Consumer Coatings Division
200 Sayre Street
Rockford, Illinois 61101

Dear Mr. Eames:

Enclosed is our Material Safety Data Sheet on
Monsanto's Santocel which Mr. Wilson F. Souders,
Jensen-Souders Associates Inc., requested we
send you in his letter of January 19, 1972.

If I can be of further service please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Mr. Wilson F. Souders
Jensen-Souders Associates Inc.

DSW 173290

STLCOPCB4047811

January 29, 1973

Mr. Jon Olafsson
HAFRANNSOKNASTOFNUNIN
Skulagata 4
P. O. Box 390
Reykjavik, Iceland

Dear Mr. Olafsson:

I have received your letter of January 12, 1973 requesting samples of Aroclor 1232, Aroclor 1242, Aroclor 1248, Aroclor 1254, Aroclor 1260 and Aroclor 1262. Under separate cover I am forwarding to you samples of Aroclor 1242 and Aroclor 1254. I regret I cannot send you samples of the other Aroclors you have requested, but Monsanto has discontinued the manufacture of these products and our supply of samples has been depleted.

I have searched our available records and find no evidence that Aroclors have been shipped to your country. However, it is conceivable that manufactured items containing PCBs have entered your country. Examples of such items would include capacitors, transformers, coatings, inks and carbonless copy paper.

I hope you find this information useful and if I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

(1-1242 } 5/72 1254
1254)

DSW 173291

64..

STLCOPCB4047812

January 29, 1973

Mr. David Wilson
Building 3
Room 8
Electronics Park
General Electric Company
Syracuse, New York 13201

Dear Mr. Wilson:

Enclosed is a copy of the Monsanto Methodology for Aroclor that I offered to send you. I hope you find this publication interesting and useful.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

62

DSW 173292

STLCOPCB4047813

W. B. Papageorge - General Offices, B2NA

January 29, 1973

Mr. S. Uneno
5260 - Tokyo

Enclosed is a copy of the article "What's Happening to Pyrolysis?" that you requested in your memo of December 30, 1972.

I am looking forward to seeing you on February 6.

W. B. Papageorge

/bt

Enclosure

DSW 173293

6/

STLCOPCB4047814

January 26, 1973

Mr. L. Jack Kratky
Missouri Solvents and
Chemicals Company
419 DeSoto Avenue
St. Louis, Missouri 63147

Dear Mr. Kratky:

I have received your letter of January 11 requesting information relating to Monsanto's Santocel C and am pleased to inform you that this product does meet the requirements specified in the letter you received from the Richardson Ink Company.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

bcc: R. D. McDaniel
B2SJ

DSW 173294

60

STLCOPCB4047815

January 26, 1973

Mr. Paul Hirsh, Principal
Tottenville High School
100 Luten Avenue
Staten Island, New York 10312

Dear Mr. Hirsh:

I have received your request for samples of
Aroclor 1221, Aroclor 1242 and Aroclor 1254
which I am forwarding to you under separate
cover.

If I can be of further service, please let
me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

*Aroclor 1221
1242
1254 } S/X 1562*

DSW 173295

59

STLCOPCB4047816

January 26, 1973

Mrs. Jean H. Bowdre
Virginia Polytechnic Institute
and State University
Department of Biology
Blacksburg, Virginia 24061

Dear Mrs. Bowdre:

I have received your request for a sample of
Aroclor 1242 which I am forwarding to you under
separate cover.

If I can be of further service, please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1242 5/72 1561

DSW 173296

58

STLCOPCB4047817

January 26, 1973

Mr. C. B. Townsend
RDC Purchasing
Carrier Air Conditioning Company
Carrier Parkway
Syracuse, New York 13201

Dear Mr. Townsend:

I have received your Purchase Order No. 97-28102 requesting one quart samples of Aroclor 1232, Aroclor 1242 and Aroclor 1254. I am enclosing a Request for Sample Quantity of Product Containing PCB. If you will return the completed form to me I will make arrangements to have the available samples forwarded to you at no cost.

I regret to inform you that, due to environmental considerations, we have discontinued the manufacture of Aroclor 1232 and our supply of samples has been depleted.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173297

57

W. B. Papageorge, General Offices, D2NA

January 25, 1973

BULK SILESTER OS
RENET/HITCHINER

J. DiTomaso - 1410
E. H. Kimball - 1410
R. D. McDaniel - E2SJ
E. L. Moore - E2SJ
J. K. Stevens - E2NK
H. Teicher - N1A

Mr. D. Oosthuizen
E2SJ

Attached are copies of the Product Specifications
for Silester OS Bulk shipped from Everett to
Hitchiner Manufacturing Company.

This copy supersedes the copy I sent to you on
January 23 and incorporates the following changes.
The material has been designated as Bulk, with
the appropriate code number, and the specifications
of Viscosity and Gel Time have been designated
as tentative.

Will all recipients please destroy the January 23
version to avoid future confusion.

W. B. Papageorge

/bt

Attachment

DSW 173298

55

STLCOPCB4047819

W. B. Papageorge - General Offices, B2NA

January 25, 1973

J. H. Davidson - B2SC

T. L. Gossage - B2SL

PYDRAUL RECLAMATION STRATEGY

Dr. C. Paton
B2SC

Attached is a copy of a Proposed Rule Making issued by the Environmental Protection Agency entitled "National Pollutant Discharge Elimination System"

The intent of this rule making is to implement a program authorized by the Federal Water Pollution Control Act Amendments of 1972, to which I referred in my memo of January 9 on this same subject.

Since the attached rule making is so lengthy I have also attached summaries which appeared in the Air/Water Pollution Reports of January 15, 1973 and January 22, 1973. I hope these are useful.

W. B. Papageorge

/bt

Attachments

AA

DSW 173299

54

STLCOPCB4047820

January 25, 1973

Mr. G. A. Newell
Defence and Civil Institute
of Environmental Medicine
Defence Research Board
Department of National Defence
1133 Sheppard Ave. W.
P. O. Box 2000
Downsview, Ontario
Canada

Dear Mr. Newell:

Your letter dated January 12 requesting information on Monsanto's Aroclor series of polychlorinated biphenyls has been referred to me for response.

Your question relating to the purity of these Aroclors is difficult to answer because all of these represent mixtures of the various isomers which are formed when biphenyl is chlorinated. The number of isomers in a mixture probably varies from 50 to 80. In any event each mixture is considered to be 100% polychlorinated biphenyls.

Your question relating to the content of PCB impurities is difficult to answer since I do not know what is meant by "PCB impurities".

I am attaching a copy of Monsanto's analytical methodology. In this material you will find chromatographs for each of the Aroclors. These chromatographs denote to the analytical chemist which of the homologs are present in each mixture and the approximate quantity.

DSW 173300

53

STLCOPCB4047821

Mr. G. A. Newell
January 25, 1973
Page 2

I hope you find this information useful. If I
can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173301

STLCOPCB4047822

January 25, 1973

Mr. J. J. Marshall
Purchasing Department
The Firestone Tire and
Rubber Company
P. O. Box 699
Pottstown, Pennsylvania 19464

Dear Mr. Marshall:

In response to your letter of January 15 requesting information relating to the hazardous and toxic nature of Monsanto's B5 Lampblack, we are pleased to send you our Material Safety Data Sheet on this product. This is the form which is generally accepted by the industry and I hope it will fulfill your needs.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

En

cc: Mr. R. C. Richardson
New York

DSW 173302

52

STLCOPCB4047823

January 25, 1973

Dr. Peter Schoor
Environmental Protection Agency
Gulf Breeze Research Laboratory
Gulf Breeze, Florida 32561

Dear Dr. Schoor:

Enclosed is the sample request form that I offered to send you the other day. If you will return the completed form to me I will make arrangements to have the samples you request forwarded to you.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173303

STLCOPCB4047824

W. B. Papageorge - General Offices, B2NA

January 25, 1973

T. L. Gossage - B2SL

MCS-353 AND MCS-293

Dr. W. R. Richard
T3A

I note in your Monthly Summary for December 1972 on page 4 that two gallons of MCS 353 and one gallon of MCS 293 were sold to the Nuclear Division of Union Carbide. Were EC-201 and EC-202 forms completed prior to this sale?

Reminder: No samples should be released outside Monsanto prior to the completion of EC-201; no product can be commercialized until form EC-202 has been completed.

W. B. Papageorge

/bt

DSW 173304

STLCOPCB4047825

W. B. Papageorge - General Offices, B2NA

January 24, 1973

FDA PCB REGULATION

H. S. Bergen - B2SL
J. F. Stapleton - B2SA
E. P. Wheeler - A2SA

Mr. W. R. Corey
B2SL

Warren Easley called to inform us that the publication of the pending FDA PCB regulation has been delayed and is now predicted for March, 1973.

It appears the American Paper Institute severely criticized the FDA's environmental impact statement as being invalid and not complying with NEPA guidelines, primarily because no consideration was given to the economic impact of the proposed regulation. The Institute has also threatened legal action if the regulation is published without revisions to the environmental impact statement.

The FDA is somewhat confused at this point. The impact statement on PCBs in food is the first the Administration has prepared. It looks upon this requirement as a delaying tactic and considers it as being in conflict with its responsibilities under the Food, Drug and Cosmetic Act.

The Council on Environmental Quality also commented on the lack of consideration to the economic impact of the proposed regulation but did so in milder tones, primarily as a reminder that this item must be covered in detail in future FDA environmental impact statements.

Regarding the question of the length of the period for compliance, it appears that only 30 days will be available for corrective action from date of publication to date for compliance. At this time the FDA has not developed any plans for monitoring, inspecting or enforcing the regulation.

W. B. Papageorge

/bt

DSW 173305

49

STLCOPCB4047826

W. B. Papageorge - General Offices, B2NA

January 23, 1973

TOXOCITY STUDIES - 1972

W. R. Corey	- B2SL
S. R. Hinds	- B2SB
G. J. Levinskas	- A2SA
W. F. Symes	- N1A

Mr. R. S. Baker
B2SB

Attached are summaries of toxicity studies for your group conducted during 1972 and coordinated by our Corporate Medical Department.

The costs of the acute studies performed by Younger Laboratories are covered by the Medical Department's budget for toxicity research. The studies performed by Industrial Biotest Laboratories are covered by budgets within your group.

Summaries for work during 1973 will be prepared quarterly.

W. B. Papageorge

/bt

Attachment

DSW 173306

48

STLCOPCB4047827

W. B. Papageorge - General Offices, B2NA

January 23, 1973

BULK SILESTER OS<-
REMET/HITCHINER

R. D. McDaniel - B2SJ
E. L. Moore - B2SJ
J. K. Stephens - B2NK
H. Teicher - N1A

Mr. D. Oosthuizen
B2SJ

Attached are the copies you requested of the product specifications for Silester OS shipped from Everett to Hitchiner.

W. B. Papageorge

/bt

Attachment

DSW 173307

47

STLCOPCB4047828

January 23, 1973

Dr. John A. Moore
National Institute of
Environmental Health Sciences
P. O. Box 12233
Research Triangle Park,
North Carolina 27709

Dear Dr. Moore:

I am interested in attending the NIEHS Conference on Chlorinated Dibenzodioxins and Dibenzofurans to be held on April 2-3, 1973 at the Governors Inn in Research Triangle Park and would like details on registering for the conference, including procedures for placing reservations at Governors Inn.

Thank you for your cooperation in this matter.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173308

46

STLCOPCB4047829

January 22, 1973

Mr. J. Pyne
Remet Corporation
Terminal Building
Oneida County Airport
Oriskany, New York 13424

Dear Mr. Pyne:

Mr. Charles Matzek of the Monsanto Akron office has informed me of your need for copies of Monsanto's Standard Analytical Methods for Syton FM and Silester A-1. I am enclosing copies of these procedures, which I hope will satisfy your needs.

If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

cc: Charles Matzek

DSW 173309

44

STLCOPCB4047830

W. B. Papageorge - St. Louis General Offices

January 19, 1973

STANDARD ANALYTICAL METHODS
SILESTER A-1 AND SYTON FM

J. DiTommaso - 1410
R. D. McDaniel - B2CG
D. Oosthuizen - B2SJ
H. Teicher - N1A

Mr. F. B. Klemencic
1650

Enclosed are the procedures requested by Dick Oosthuizen
in his memo to you which was dated December 26, 1972
and related to Gray Syracuse's request for analytical
data.

W. B. Papageorge

/bt

Enclosures

DSW 173310

43

STLCOPCB4047831

January 19, 1973

Dr. O. Hutzinger
National Research Council of Canada
Atlantic Regional Laboratory
1411 Oxford Street
Halifax, N.S.
Canada

Dear Dr. Hutzinger:

In response to your letter of January 15, 1973 requesting copies of the latest bulletins Monsanto has available on Aroclors, I have only the enclosed materials to offer. As best as I can tell you already have copies of any other literature we have on Aroclors.

The outline you enclosed indicates that you are undertaking a challenging, and hopefully satisfying, endeavor.

If I can be of any further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

*PCB info & Sales
Aroclor (PCB) applications
A-1016 Characterization
Typical Properties of Aroclors
6*

DSW 173311

42

W. B. Papageorge - General Offices, B2NA

January 19, 1973

→ EMA-31 - POLAROID CORPORATION

Mr. G. D. Nelson
NIA

Attached are copies of a letter from Mr. E. C. Page, Polaroid Corporation, and a Polaroid Central Analytical Laboratory report relating to free acid content of EMA-31.

I would appreciate your comments.

W. B. Papageorge

/bt

Attachment

DSW 173312

///
STLCOPCB4047833

January 19, 1973

Mr. H. M. Fischer
Buyer, Purchasing Division
United Air Lines
San Francisco International Airport
Maintenance Operations
San Francisco, California 94128

Reference: 60-65

Dear Mr. Fischer:

I am enclosing the completed Toxicological Data Sheet for Santocel CX which you requested in your letter of December 28, 1972.

I hope the information furnished will satisfy your requirements.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173313

40

STLCOPCB4047834

W. B. Papageorge - General Offices, B2NA

January 19, 1973

J. D. DiTommaso - 1410

R. D. McDaniel - B2SQ

n-Butyl Acid Phosphate - Inmont

H. Teicher - N1A

Mr. Thomas Iversen
1650

We have reviewed Inmont's specifications (a copy is attached) and have the following comments to offer:

Assay

This specification can be met.

Acid Value

The product as made has a spread of 370-410 as measured by Everett plant methodology. Inmont's specification can be met.

pH (2% Solution)

This property is not in Monsanto's specification and is not presently measured. Two samples diluted with a 50-50 mixture ROH-H₂O to 2% by weight gave pH's of 1.9 at 25°C.

Appearance

As manufactured, Monsanto specification designates "straw to dark brown", however, the plant informs me that Inmont's request for water white liquid can be met.

Specific Gravity @ 25°C/4°C

We cannot meet this requirement. Specific gravity measured at 25°C/15.56°C has a range of 1.130 - 1.140.

Refractive Index, Lbs./Gal., Viscosity, Flash Point

These properties are not in our specifications and are not routinely determined. It appears that Inmont may have copied their proposed levels from our Technical Bulletin I-120, dated November 1961. I

DSW 173314

Mr. Thomas Iversen
January 19, 1973
Page 2

recommend that these properties be discussed with Inmont's representatives indicating to them that our experience tells us that these properties are not ordinarily of major significance.

Please let me know Inmont's reaction to our response.

W. B. Papageorge

/bt

Attachment

DSW 173315

STLCOPCB4047836

January 19, 1973

Mr. M. H. Davis
Plant Manager
Champion Chemicals, Inc.
P. O. Box 4513
Odessa, Texas 79760

Dear Mr. Davis:

In response to your request for trace metal analysis
on Monsanto's Dequest 2000 we have the following
information to offer:

Lead	< 1 ppm
Cadmium	< 10 ppm
Mercury	< 0.5 ppm
Manganese	< 1 ppm
Nickel	< 10 ppm
Zinc	< 10 ppm

I have enclosed a copy of Monsanto's Product Specifi-
cation for Dequest 200.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

bcc: C. S. Alack - B2SG
E. L. Moore - B2SJ
J. R. Murphy - 1460

DSW 173316

38

STLCOPCB4047837

W. B. Papageorge - World Headquarters

January 19, 1973

R. Feben - 5020

R. T. Haynes - B2SG

EMA 1325--ENSIGN

G. D. Nelson - N1A

LABORATORIES

J. P. Raiss - 5030

Mr. R. F. Garnsworthy

5020 - Melbourne

Your memo addressed to R. T. Haynes and dated January 2, 1973 has been forwarded to me for response.

Our laboratory personnel inform me that EMA 1325 does not yellow on standing and that off color which has been noted is probably due to excess heat of reaction.

W. B. Papageorge

/bt

DSW 173317

37

STLCOPCB4047838

W. B. Papageorge - General Offices, E2NA

January 19, 1973

PCB RESTRICTIONS -
SWITZERLAND

W. R. Corey - E2SL
K. W. Basley - 1920
T. L. Gossage - E2SL
C. Paton - E2SC
W. R. Richard - T3A

Mr. H. S. Bergen
E2SL

Attached is a copy of proposed amendments to Switzerland's statute which controls the use of toxic substances.

Article 9, which pertains to PCBs, has been translated. You will note that PCB and PCT usages are restricted except for transformers and capacitors with further restrictions on small capacitors beginning in 1977.

Item 2.a. under Article 9 does not appear to be logical as it is translated. I suspect the intent is to permit PCB usage in research apparatus.

Of further interest is the item in Article 7 which prohibits the use of Triorthocresyl Phosphate in products destined for PCB use or the trades.

W. B. Papageorge

/bt

Attachment

DSW 173318

34

STLCOPCB4047839

W. B. Papageorge - General Offices, B2NA

January 19, 1973

H. S. Bergen - B2SL
W. R. Corey - B2SL
W. R. Richard - T3A
J. F. Stapleton - B2SA

Messrs.

R. E. Keller - T1B
E. P. Wheeler - A2SA

Will you please arrange for the preparation and early publication of paper(s) relating to Monsanto PCB studies conducted in our laboratories in the following areas:

1. Semi-continuous activated sludge bio-degradation studies
2. PCB residues in animal tissues
3. River die-a-way studies
4. Soil degradation studies

W. B. Papageorge

WBP/bt

DSW 173319

35

STLCOPCB4047840

W. B. Papageorge - General Offices, B2NA

January 19, 1973

B. G. Tibbetts - B2SE

PENTA - MASSACHUSETTS DEPARTMENT
OF PUBLIC HEALTH REQUEST
Memo, PLS to WBP, 1/15/73

Mr. P. L. Slayton
1650

I recommend that you send only a copy of Technical
Bulletin IC/PS-8 in response to Mr. Joseph C.
Majewski's letter.

If Mr. Majewski requests additional information,
please contact me before you respond.

W. B. Papageorge

/bt

DSW 173320

34

STLCOPCB4047841

January 19, 1973

Mr. Paul G. Benignus
Chairman, Steering Committee
American National Standards
Institute Committee C-107
c/o Monsanto Company
800 North Lindbergh Boulevard
St. Louis, Missouri 63166

Dear Paul:

With the completion of the final draft of the guidelines for the proper use, handling and disposal of Askarels, it appears to me that ANSI Committee C-107 can now direct its attention to the remaining objectives, which you will recall are as follows:

1. Serve as a source for technical information and advice for Federal, State and local authorities and for the information of all others concerned.
2. Encourage the development of suitable disposal facilities and maintain a list of their capabilities and locations, for the information of all concerned.
3. Serve as the advisory group for U.S. participation in CEE, IEC, COPANT, SEGRA and other international organizations.

I would very much appreciate the recommendations of your Steering Committee relating to the makeup of working committees assigned to the effective achievement of these objectives.

Sincerely,

W. B. Papageorge
Chairman
ANSI Committee C-107

WBP/bt

cc: A. M. Salazar

DSW 173321

W. B. Papageorge - General Offices, B2NA

January 18, 1973

SAMPLES

Mr. P. R. Graham
B3NB

Will you please arrange to have a 3 pound sample of Tricresyl Phosphate, a one pound sample of Dodecylphthalate, and a 100 gram sample of DOP Acid Ester (diethyl hexyl phthalate monester) forwarded to:

Dr. Waynon Johnson
Fish-Pesticide Research Laboratory
Bureau of Sport Fisheries and Wildlife
U. S. Department of the Interior
Route 1
Columbia, Missouri 65201

W. B. Papageorge

/bt

DSW 173322

32

STLCOPCB4047843

W. B. Papageorge - General Offices, B2NA

January 18, 1973

PENTA SAMPLES

Mr. B. G. Tibbetts
B2SE

Will you please arrange to have a five pound sample
of Penta Chlorophenol forwarded to:

Dr. Waynon Johnson
Fish-Pesticide Research Laboratory
Bureau of Sport Fisheries and Wildlife
U. S. Department of the Interior
Route 1
Columbia, Missouri 65201

W. B. Papageorge

/bt

DSW 173323

STLCOPCB4047844

W. B. Papageorge - General Offices, B2NA

January 18, 1973

PYDRAUL SAMPLES

Mr. J. H. Davidson
B2SC

Will you please arrange to have a five pound sample
of Pydraul 50E and a two pound sample of Pydraul 115E
forwarded to the following:

Dr. Waynon Johnson
Fish-Pesticide Research Laboratory
Bureau of Sport Fisheries and Wildlife
U. S. Department of the Interior
Route 1
Columbia, Missouri 65201

W. B. Papageorge

/bt

DSW 173324

STLCOPCB4047845

W. B. Papageorge - General Offices, B2NA

January 18, 1973

PHOSPHATE ESTERS
TOXICITY STUDIES - 1972

W. R. Corey - B2SL
G. J. Levinskas - A2SA
J. F. Quinn - T3B
W. R. Richard - T3A
A. J. Koenig - B2SC

H. S. Bergen
B2SL

Attached are summaries of toxicity studies with Phosphate Esters conducted during 1972. Since the materials tested are marketed by several business groups, Dr. J. F. Quinn was asked to coordinate this activity. Costs were shared by the concerned groups.

As you can see, the work was performed by Younger Laboratory and Industrial Biotest Laboratory. These studies are in addition to those listed in a previous summary dated January 15, 1973.

W. B. Papageorge

WBP/bt

Attachment

DSW 173325

W. B. Papageorge - General Offices, B2NA

January 15, 1973

TOXICITY STUDIES - 1972

W. R. Corey - B2SL
A. J. Koenig - B2SC
G. J. Levinskas - A2SA
W. R. Richard - T3A

Mr. H. S. Bergen
B2SL

Attached are summaries of toxicity studies for your group conducted during 1972 and coordinated by our Corporate Medical Department.

The costs of the acute studies performed by Younger Laboratories are covered by the Medical Department's budget for toxicity research. The studies performed at Industrial Biotest Laboratories and Shelanski Holding Corporation are covered by budgets within your group.

Summaries for work during 1973 will be prepared quarterly.

W. B. Papageorge

/bt

Attachment

DSW 173326

Monsanto

OUTGOING MESSAGE BLANK
TELECOMMUNICATIONS SYSTEM

DATE

1/17/78

TIME

11:00

SENDER'S ACCOUNT NO.

47-000-735.40

INDICATE DESIRED SERVICE → ☐ FULL RATE ☐ DAY LETTER ☐ NIGHT LETTER

Names of addressee and sender must include initials. Show complete address for telegrams and cables.

H. N. Haggart
Brussels

Re Santobrite in the mushroom industry. Interest is stimulated by two incidents. Supplier of mushroom spores to the industry has implied low productivity due to presence of chl^orophenols and is planning research. State of Massachusetts for reasons unknown has asked for methodology for determining penta in food products including mushrooms. Our legal department is evaluating our position.

W. B. Papageorge
St. Louis, Mo.IN-IR
REV. 7-64*for BETTER service* - Forward to transmitting operator IMMEDIATELY after preparation.

DSW 173327

STLCOPCB4047848

nsanto

OUTGOING MESSAGE BLANK
Telecommunications System

DATE

1/17/73

TIME

10:30

SENDER'S ACCOUNT NO.

47-000-735.40

INDICATE DESIRED SERVICE → ☐ FULL RATE ☐ DAY LETTER ☐ NIGHT LETTER

Names of addressee and sender must include initials. Show complete address for telegrams and cables.

J. R. Durland
Tokyo

Re visit Uneno/Nishiyama. It appears half day on Feb. 7 for PCB and full day on Feb. 8 for Plasticizers would be adequate. If not please indicate further areas of interest for inclusion in agenda.

W. B. Papageorge
St. Louis, Mo.

cc: D. Danna
P. R. Graham - B3NB

IN-IR
REV. 7-64

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26

DSW 173328

STLCOPCB4047849

January 15, 1973

Dr. Myron A. Mehlman
Food and Drug Administration
BF-153
200 "C" Street Southwest
Washington, D.C. 20204,

Dear Myron:

I have received your request for a sample of
Aroclor 1254 which I am forwarding under separate
cover to you at the University of Nebraska College
of Medicine.

If I can be of further service please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1254 5/7 1560

DSW 173329

STLCOPCB4047850

Monsanto

OUTGOING MESSAGE BLANK
Teletype Communications System

DATE

1/15/73

TIME

10:15

SENDER'S ACCOUNT NO.

47-000-735.40

INDICATE DESIRED SERVICE → ☐ FULL RATE ☐ DAY LETTER ☐ NIGHT LETTER

Names of addressee and sender must include initials. Show complete address for telegrams and cables.

P. J. A. Marsh
Brussels

I understand Monsanto at one time promoted use of Santobrite to sterilize wooden beds used in growing mushrooms. Will you send me copies of Santobrite literature which contained this recommendation.

W. B. Papageorge
St. Louis, Mo.

IN-IR
REV. 7-64

24
for BETTER service - Forward to transmitting operator IMMEDIATELY after preparation.

DSW 173330

STLCOPCB4047851

January 12, 1973

Mr. David Ott
Carborundum Company
403 Horsham Road
Horsham, Pennsylvania 19044

Dear Mr. Ott:

Bob Richardson, of our New York office, has informed me of your request for information relating to the heavy metal contents of Santocel 62, Santocel 68 and Santocel Z. We have only the following information to offer.

Heavy metals as Pb	<30 ppm
Lead as Pb	<10 ppm

I hope the above will satisfy your requirements.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

cc: R. C. Richardson
New York

DSW 173331

STLCOPCB4047852

bcc: H. F. Shea - B3SG

January 12, 1973

Mr. R. H. Hartman
Mobil Chemical Company
P. O. Box 240
Edison, New Jersey 08817

Dear Mr. Hartman:

Confirming our telephone conversation relating to the application of Los Angeles County Rule 66 to Guaiacol, this material cannot be classified as a photochemically reactive solvent as defined under section k of the Rule. It does, however, qualify as an organic material defined in section l.

In addition, consideration must be given to the ultimate application of this material; such as direct contact with flame, baking, heat curing or heat polymerization; all in the presence of oxygen.

In any event, from our information relating to all known uses of Guaiacol, the amounts involved in any instance are too small to result in the discharges described in Rule 66.

I hope you find this information useful and if I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

cc: John Wilson - New York

DSW 173332

22

STLCOPCB4047853

W. B. Papageorge - General Offices, B2NA

January 12, 1973

OARDC - FUNDING

Mr. B. R. Brymer
B2NL

As I recently discussed with you, the Functional Product Groups Division is considering the possibility of funding some PCB research now under way at the Ohio Agricultural Research and Development Center, Wooster, Ohio. We were originally approached by the administrator of the Center to participate in a "Grant-In-Aid Agreement" providing for the total funding of the study. I have attached a copy of the Agreement document. Our decision relating to the support of this work was delayed, however, the Center proceeded with the research activities. Recently the program director wrote to me stating that he has exhausted all of his available funds and desires help from Monsanto.

Since the work is already under way, it appears that the "Grant-In-Aid" approach may no longer be appropriate and that partial financial assistance could be provided as a "direct gift". We are considering offering approximately \$5,000 toward this study. May we have your recommendation as to the best approach we should follow consistent with appropriate tax considerations.

W. B. Papageorge

/bt

Attachment

DSW 173333

20

STLCOPCB4047854

January 11, 1973

Mr. Lars Rosengren
Office of the Scientific Attache
Swedish Embassy
600 New Hampshire Avenue, N.W.
Washington, D.C. 20037

Re: Your U-2159

Dear Mr. Rosengren:

Monsanto has decided, for economic reasons, to terminate worldwide the sales of commercial de-icing agents used at airports. Limited sales were made during 1972 from the available inventory but no further sales are anticipated.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173334

19

STLCOPCB4047855

W. B. Papageorge - General Offices, B2NA

January 11, 1973

G. F. Fague - B2SC

W. Slowikowski - 1320

THERMINOL FR
FORD MOTOR COMPANY
MT. CLEMENS, MICHIGAN

Mr. D. E. Roush
B2SC

Responding to Don Gass' request I called Mr. Roger Sadowsky, Vinyl Plant, Ford Motor Company, Mt. Clemens, Michigan, 313-468-2681.

Mr. Sadowsky informed me that representatives of the Michigan State Water Resources Commission had determined that PCBs, identified as Aroclor 1242, were being discharged from the Ford vinyl plant.

We briefly discussed the sources of PCBs, presence in Aroclors, and degradability. He stated that he knew where the PCBs were being discharged and indicated that conversions of heat transfer systems were either underway or planned. He personally had no information on the replacement fluid availability, conversion procedures or disposal plans but offered to discuss these with the proper people in his plant. I gave him your phone number as well as mine and offered our services.

W. B. Papageorge

WBP/bt

DSW 173335

18

STLCOPCB4047856

January 11, 1973

Mr. Arthur P. Nelson
Acting Assistant Director
Metal and Nonmetal Mine
Health and Safety
United States Department
of the Interior
Bureau of Mines
Washington, D.C. 20240

Dear Mr. Nelson:

I am interested in obtaining a copy of the United States Department of the Interior publication Mining and Concentrating Chemical Safety Data, November 1972, and would appreciate your sending me a copy or information on where I might obtain a copy.

If there is any charge for this publication please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173336

17

STLCOPCB4047857

January 11, 1973

Mr. Stanley M. Weeksler
ADM Tronics
695 Broadway
Westwood, New Jersey 07675

Dear Mr. Weeksler:

I have received your request for a sample of transformer oil containing polychlorinated biphenyls and note that you intend to use this sample in the formulation of a non conductive ink. I regret to inform you that, because of environmental considerations, products containing polychlorinated biphenyls are no longer available for your intended use. I suggest you look for an alternative product to be used in this formulation.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173337

January 10, 1973

Dr. Gary Patterson
Chemical Engineering Department
University of Missouri at Rolla
Rolla, Missouri 65401

Dear Dr. Patterson:

I have received your request for a one gallon sample of Aroclor 1242 and am forwarding this sample to you under separate cover.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1242 S/n 1559

DSW 173338

15

STLCOPCB4047859

January 10, 1973

Dr. William J. Dougherty
Anatomy Department
Medical University of
South Carolina
80 Barre Street
Charleston, South Carolina 29401

Dear Dr. Dougherty:

Enclosed is the chart I offered to send you
today.

If I can be of further service please let me
know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

G

DSW 173339

W. B. Papageorge - General Offices

January 9, 1973

J. H. Davidson - B2SC

T. L. Gossage - B2SL

PYDRAUL RECLAMATION STRATEGY

Dr. C. Paton
B2SC

In responding to Howard Bergen's question "What changes have occurred in enforcement policies or legislation that would affect our strategy?", I believe the most significant legislation that is relevant was the passage over the President's veto of the Federal Water Pollution Control Act Amendments of 1972.

I have attached a copy of a comprehensive summary of these Amendments. You will note that they require the achievement, by not later than July 1, 1977, of effluent limitations from point sources which "shall require application of the best practicable control technology currently available as defined by the Administrator." By July 1, 1983 the Amendments require effluent limitations for point sources which "shall require application of the best available technology economically achievable which will result in reasonable further progress toward the national goal of eliminating the discharge of all pollutants." The Administrator may modify the requirements for 1983 with respect to any point source for which a permit application is filed after July 1, 1977, upon a showing by the owner or operator of such point source satisfactory to the Administrator that such modified requirements (1) will represent the maximum use of technology within the economic capability of the owner or operator; and (2) will result in reasonable further progress toward the elimination of the discharge of pollutants. Any 1983 limitation shall be reviewed at least every five years and revised if appropriate.

The Amendments include the policy statement that "it is the national goal that the discharge of pollutants into the navigable waters be eliminated by 1985; it is the national goal that wherever attainable, an interim goal of water quality will be achieved by July 1, 1983; it is the national policy that the discharge of toxic pollutants in toxic amounts be prohibited." The Administrator will determine which materials will be defined as toxic as well as the toxic amounts. This list is to be published by mid-year.

W. B. Papageorge

/bt

DSW 173340

Monsanto

OUTGOING MESSAGE BLANK

DATE

1/10/73

TIME

8:45

SENDER'S ACCOUNT NO.

47-000-735.40

INDICATE DESIRED SERVICE → ☐ FULL RATE ☐ DAY LETTER ☐ NIGHT LETTER

Names of addressee and sender must include initials. Show complete address for telegrams and cables.

Pink

P. J. A. MARSH
BRUSSELS

HAVE SALES OF SANTOMELT BEEN TERMINATED IN EUROPE? IF SO, WHEN?

W. B. PAPAGEORGE
ST. LOUIS

CC: H. S. BERGEN
T. L. GOSSAGE/C. PATON

IN-IR
REV. 7-64

for BETTER service - Forward to transmitting operator IMMEDIATELY after preparation.

DSW 173341

STLCOPCB4047862

January 8, 1973

Dr. Myron A. Mehlman
Food & Drug Administration
BF-153
200 "C" Street Southwest
Washington, D.C. 20204

Dear Myron:

I have received your request for a sample of Aroclor 1254, which I am returning to you for signature.

I note that this sample request form was mailed from your Washington, D.C. office but the form indicates the request is made by the University of Nebraska College of Medicine. Will you please specify where the sample should be sent.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173342

10

STLCOPCB4047863

W. B. Papageorge, General Offices

January 5, 1973

POLYCHLORINATED BIPHENYLS

J. H. Davidson - B2SC

C. Paton - B2SC

Mr. Richard K. Flitcraft
Mound Laboratory

Attached is the literature on our current line of fire resistant hydraulic fluids which do not contain chlorinated hydrocarbons. When your laboratory is ready to convert its hydraulic fluid systems we are ready to assist in the selection of the proper replacement fluid.

Please let us know if we can help.

W. B. Papageorge

/bt

Attachment

DSW 173343

W. B. Papageorge - General Offices, B2NA

January 5, 1973

MEETING - FR CONVERSION
FOLLOW THROUGH

P. W. Gann - B2SE
N. T. Johnson - B2SC
C. Paton - B2SC
D. E. Roush - B2SC

Mr. G. F. Fague
B2SC

At our follow-through meeting held on December 13 I was asked to forward to you any information resulting from FDA action relating to the PCB levels permissible in converted heat transfer systems in food related processes.

I have attached a copy of the recently issued final environmental impact statement by FDA which contains language that will eventually appear in the FDA regulations which are to be published on January 20 and become effective on February 19. You will note that no PCB levels in converted systems are specified. The FDA understands the problem involved in achieving zero detectable levels and has chosen the following words to describe their objective:

"The management of establishments....shall eliminate to the fullest extent possible commensurate with good manufacturing practice...."

It is my understanding that the FDA inspectors will attempt to be realistic in their evaluation of each specific situation they encounter. Their judgments will, of course, be influenced by the actions taken by each of our customers and the attitudes and concerns they detect in their contacts with our customers.

W. B. Papageorge

/bt

AA

DSW 173344

8

STLCOPCB4047865

January 5, 1973

Mr. M. Hadjitofi
86 Gainsborough Road
New Malden, Surrey, England
United Kingdom

Dear Mr. Hadjitofi:

In response to your letter dated December 4, 1972 in which you requested process information for manufacture of biphenyl and chlorinated biphenyl, I have enclosed a copy of an article which appeared in the 1965 edition of the Encyclopedia of Chemical Technology. In this article I believe you will find on page 292 the basic information required for your design course.

I regret I cannot forward to you any details relating to the conversion of benzene to biphenyl because this information is considered by Monsanto to be confidential. I hope this does not cause you any inconvenience.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

E

DSW 173345

STLCOPCB4047866

January 4, 1973

Mr. J. S. Nelson
General Electric Company
#1 River Road
Building 36
Schenectady, New York 12345

Dr. A. Pozefsky
General Electric Company
Industrial and Power
Capacitor Products Department
John Street
Hudson Falls, New York 12839

Mr. E. L. Reab
General Electric Company
Transformer Division
Building 11-223
100 Woodlawn Avenue
Pittsfield, Massachusetts 01201

Gentlemen:

Enclosed is a final copy of the environmental statement relating to PCBs which I offered to send.

Present plans by FDA include the issuance of the final regulations on January 20 which will become effective on February 19.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: P. G. Benignus
C. Paton

AA

DSW 173346

STLCOPCB4047867

January 4, 1973

Dr. Gary Patterson
Chemical Engineering Department
University of Missouri at Rolla
Rolla, Missouri 65401

Dear Dr. Patterson:

Enclosed is the Request for Sample Quantity of Product Containing PCBs that I offered to send you. As soon as I receive the completed form your request will be considered.

I am also enclosing a copy of Technical Bulletin O/PL-306A which I hope you find interesting and informative.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

T

DSW 173347

STLCOPCB4047868

January 4, 1973

K. W. Easley - 1920

ENVIRONMENTAL IMPACT STATEMENT -
PCB RULE MAKING

Messrs:

H. S. Bergen	- B2SL
W. R. Corey	- B2SL
D. Goodwillie	- 5090
T. L. Gossage	- B2SL
E. V. John	- B1NC
P. J. A. Marsh	- 5040
P. S. Park	- B2SA
C. Paton	- B2SC
W. R. Richard	- T3A
J. F. Stapleton	- B2SA
R. A. Stohr (6)	- A3SB
E. P. Wheeler	- A2SA

Attached is a copy of the final environmental statement relating to the proposed regulations on polychlorinated biphenyls.

Present plans by FDA include publication of the final regulations on January 20. These regulations will become effective on February 19. Note that the temporary tolerance in paper food packaging material has been set at 10 ppm compared to the 5 ppm originally proposed. Paper food packaging material containing more than 10 ppm PCB may be used if an effective barrier is incorporated in the food package.

The tolerance for infant and junior foods has been relaxed from 0.1 ppm originally proposed to 0.2 ppm. Tolerances for animal feed have been tightened from 0.5 to 0.2 ppm for complete animal feeds and from 5.0 to 2.0 ppm for animal feed components..

Other temporary tolerances remain the same as in the original proposal. These were: milk and dairy products, 2.5 ppm on a fat basis; poultry, 5.0 ppm on a fat basis; eggs, 0.5 ppm; fish and shell fish, 5.0 ppm on an edible portion basis.

Our discussions with FDA representatives relating to PCB residues in flushed heat transfer systems were apparently successful because no PCB limits in flushed systems are indicated. The following more flexible statement has

DSW 173348

January 4, 1973
Page 2

been included: "The management of establishments producing animal feed shall eliminate to the fullest extent possible commensurate with current good manufacturing practices..."

The use of electrical transformers and capacitors that contain PCBs has been clarified and will be permitted in food, feed and food packaging plants.

W. B. Papageorge

/bt

Enclosure

AA

DSW 173349

STLCOPCB4047870

January 3, 1973

Mr. Peter D. Rasmussen
Ecolab Inc.
232 Wauwatosa Road
Cedarburg, Wisconsin 53012

Dear Mr. Rasmussen:

I have received your letter of December 26, 1972 requesting a sample and price list of Aroclor 5460. I regret to inform you that because of environmental considerations the manufacture and sale of this product has been discontinued and our supply of samples has been depleted.

I hope the lack of this material does not seriously inconvenience you.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173350

3

STLCOPCB4047871

January 2, 1973

Mr. Stanley M. Weckler
ADM Electronics
695 Broadway
Westwood, New Jersey 07675

Dear Mr. Weckler:

Enclosed is the Request for Sample Quantity of Product Containing PCBs which I offered to send you. If you will return the completed form to me I will make arrangements to have the samples you request forwarded to you.

I am also enclosing a copy of the Monsanto methodology for the determination of polychlorinated biphenyls and Technical Bulletin O/PL-306A. I hope you find both these publications interesting and useful.

If I can be of further service please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

T, 8.

DSW 173351

2

STLCOPCB4047872

Pink

January 2, 1973

Mrs. Patricia Adelman
McKesson Chemical Company
Woodbridge Branch
160 Essex Avenue East
Avenel, New Jersey 07001

Dear Mrs. Adelman:

Regarding your request for data on trace elements
in Monsanto's Santocel C and 54, we have data only
for the following:

Santocel C:

Arsenic (As)	< 3 ppm
Heavy Metals (Pb)	< 30 ppm (1)
Lead (Pb)	< 10 ppm

We do not have any data on Santocel 54, but would
expect to have the same typical values as Santocel C.

- (1) Food Chemicals Codex test for common metallic
impurities (Ag, As, Bi, Cd, Cu, Hg, Pb, Sb, and
Sn) that are colored by Hydrogen Sulfide under
the conditions specified in the test.

Sincerely yours,

W. B. Papageorge
Manager
Product Acceptability

DSW 173352

STLCOPCB4047873