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FEBRUARY 1974

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DSW 174170

STLCOPCB4048691

JANUARY 1974 (continued)

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STLCOPCB4048692

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JANUARY 1974 (continued)

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STLCOPCB4048694

JANUARY, 1974 (continued)

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DSW 174175

JANUARY, 1974

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1/2	C. Paton	Dye carriers & heat transfer fluids (biphenyl)	3
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DSW 174176

STLCOPCB4048697

JUNK

DSW 174177

STLCOPCB4048698

W. B. Papageorge - St. Louis General Offices - B1ND

June 26, 1974

PRODUCT LABELS - SANTOBRITES

J. R. Savage - B2SL
Dale Dill - Q1E
B. L. Tibbetts - B2SE

E. L. Billen - 1740

Will you please send me copies of labels used on packages of the following products:

Santobrite pellets
Santobrite fines
Santobrite briquettes

W. B. Papageorge

WBP:pw

DSW 174178

284

W. B. Papageorge - St. Louis General Offices - B1ND

June 26, 1974

JAPANESE IMPORT
REQUIREMENTS - SANTOTRAC

D. Danna - E1SA
E. Green - A8NA
F. H. Langelfeld - B2SF
H. S. Bergen - B2SL
D. R. Miller - T3F

W. R. Richard - T3A

Attached is a copy of a memo from "Horace" Ishijima requesting our comments relating to the acceptance of the ingredients in Santotrac 40 and Santotrac 50 by the Japanese government.

May I have your comments.

W. B. Papageorge

WBP:pw

DSW 174179

292

STLCOPCB4048700

W. B. Papageorge - St. Louis General Offices - B1ND

June 26, 1974

B. G. Tibbetts - B2SE

MATERIAL SAFETY DATA SHEETS -
SCRIPSET 700 & SCRIPSET 720

Dale Dill - Q1E
J. T. Garrett - A2SA

Attached are material safety data sheets for Scripset 700 and Scripset 720. Will you please complete those portions requiring information available to your department and return the forms to me.

I will prepare the complete data sheet and send you a copy.

W. B. Papageorge

WBP:pw

DSW 174180

STLCOPCB4048701

June 25, 1974

T. Bottini - B2CA
R. Perotti - E1NE
E. Wheeler - A2SA

TECHNICAL BULLETIN -
SCRIPSET 700 SERIES

W. D. Lubic - B1NB

I have reviewed the proposed Technical Bulletin for the new liquid Scripset resins and I have the following comments to offer.

On pages 7 and 8 reference is made to acceptance of these resins by FDA. I have reviewed 21CFR 121.2526 and find that the sodium salt of styrene-maleic anhydride copolymer with a minimum molecular weight of 30,000, may be used as:

1. A coating thickening agent at a level not to exceed 1% by weight of coating solids.

2. Surface size at a level not to exceed 1% by weight of paper or paperboard subtrate.

The above use does not apply to Scripset 720 which is the ammonium salt.

On page 8, under Health and Handling, reference is made to breathing of dust. Since these resins are liquids, it appears to me that this reference is irrelevant.

W. B. Papageorge

WBP:pw

DSW 174181

380

STLCOPCB4048702

W. B. Papageorge - St. Louis General Office - BlND

June 25, 1974

J. E. Eldridge
R. A. Pbhl
H. Teicher
R. A. Herman

Finished Product Specifications -
Bone Ash, Lampblack 10-X,
Mould Coat

DAVID DIETERICH - 1150

Attached are the approved specifications for the products listed above with minor changes shown in red.

My files do not contain any references to the informal customer requirements you have indicated for mould coat and bone ash. I would appreciate receiving copies of any material which established these arrangements.

I have enclosed a copy of an approved specification submitted by the Cooper Tire and Rubber Company. I suggest this specification be included with the other special customer requirements.

My files do not contain any correspondence relating to the Dayton Tire and McKesson Chemical requirements. May I have copies of any appropriate material in your possession.

W. B. Papageorge

WBP:pw

DSW 174182

279

STLCOPCB4048703

W. B. Papageorge - St. Louis General Office - B1ND

June 25, 1974

Product Specifications -
Bone Ash, Lampblack 10-X
Mould Coat

F. B. CLARKE - N1A

Attached are copies of the recently revised product specifications, which you may share with your customers. Please destroy all previous versions.

W. B. Papageorge

WBB:pw

DSW 174183

270

STLCOPCB4048704

June 28, 1974

Mr. Ralph I. Freudenthal
Associate Manager
Pathology, Pharmacology-Toxicology,
and Animal Resources Section
Battelle Columbus Laboratories
505 King Avenue
Columbus, Ohio 43201

Dear Dr. Freudenthal:

Attached is a request form for samples of polychlorinated biphenyls.

Please return the completed form to me and I will send you a sample of Aroclor 1254.

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP:pw
Enclosure

DSW 174184

STLCOPCB4048705

June 25, 1974

Mr. V. M. Harrell
Contracting Officer
Department of the Navy
Naval Ammunition Depot
Crane, Indiana 47522

IN RE: 116-VMH:daw
4200

Dear Mr. Harrell:

Confirming our telephone discussion of June 21, Monsanto has considered your proposal for resumption of the manufacture of Aroclor 1260 to supply your needs on an interim basis until an alternative material is developed. Since the sale of Aroclor 1260 was terminated by Monsanto in August, 1970, following a very thorough program announcing this decision, we believe adequate time has elapsed in which alternative materials have generally been developed.

We appreciate the difficulties you may be experiencing in your particular application, but your limited needs do not warrant, nor are we interested in resuming the production of a material which has been designated world-wide as a potential environmental pollutant.

Sincerely,

W. B. Papageorge

WBP:pw

DSW 174185

STLCOPCB4048706

Nancy L. Cromer - St. Louis - General Offices - BlND

June 20, 1974

Research Library - R2B

Mr. W. B. Papageorge no longer has a use for the attached book, Environmental Health Perspectives, Experimental Issue No. 7, May 1974. Would the Library wish to keep it? If not, toes out. Thanks.

Nancy L. Cromer

Attachment

DSW 174186

STLCOPCB4048707

June 19, 1974

Mrs. Dena J. Strand
Corporate Raw Materials
DeSoto, Inc.
Administrative and Research Center
1700 South Mount Prospect Road
Des Plaines, Illinois 60018

Dear Mrs. Strand:

Your letter of June 4th addressed to Mr. E. V. Hellyar of Monsanto Polymers and Petrochemicals Company has been forwarded to me with the request that I answer your inquiry on Lampblack B-5.

This is to inform you that the information contained in my letter of June 18 to you regarding Lampblack No. 10 would also pertain to Lampblack B-5.

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

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

(nlc)

DSW 174187

-4

STLCOPCB4048708

June 18, 1974

Mrs. Dena J. Strand
Corporate Raw Materials
DeSoto, Inc.
Administrative and Research Center
1700 South Mount Prospect Road
Des Plaines, Illinois 60018

Dear Mrs. Strand:

In response to your letter of June 6th I have attached a copy of the Material Safety Data Sheet for Lampblack No. 10. To the best of our knowledge this product does not contain any of the 14 chemicals listed in your carcinogen statement. The heavy metal content expressed as lead is $\leq$ 10 ppm.

I have not included the requested information for Aroclor 5460 because Monsanto terminated its manufacture in 1970 and the information at this time would not be meaningful.

Your request for similar information on the remaining products listed in your letter has been forwarded to the appropriate individuals within Monsanto and you should expect a response in the near future.

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP:nlc
Enclosure

DSW 174188

373

STLCOPCB4048709

W. B. Papageorge - St. Louis - General Offices - B1ND

June 18, 1974

F. B. Clarke - N1A
R. A. Herman - B2SJ
H. Teicher - N1A

Andrew Brown Co.-Phos-Chek P/30

Memo EMC to FBC dated 4/29/74

E. M. Connors - 1550

In the referenced memo you inquired "if P/30 meets Mil Spec C-46081."

I finally received a copy of the specification which covers a two-part modified epoxy intumescent thermal insulating coating compound for interior and exterior use. I note that in one part there is a requirement for the presence of solvent insoluble intumescent agents which together with pigment must not exceed 34% by weight. Phos-Chek P/30 qualifies as a solvent insoluble intumescent agent. Therefore it would appear that it would be acceptable.

I understand that we do not have any previous experience in which Phos-Chek P/30 has been used in epoxy coatings. The decision to further evaluate the suitability of P/30 in this particular formulation must be made by Marketing.

W. B. Papageorge

WBP:nlc

DSW 174189

372

W. B. Papageorge - St. Louis - General Offices - B1ND

June 18, 1974

Bruce Ocko - E3SF

Attached is a letter requesting information on Polyvinyl Butyral, Urea Resin, and Resimene. Will you please handle.

W. B. Papageorge

WBP;nlc
Enclosure

DSW 174190

refers to letter from Mrs. Brandt
[illegible] reviewed on 6/18.

571

STLCOPCB4048711

W. B. Papageorge - St. Louis - General Offices - B1ND

June 18, 1974

J. C. Weber - B3SC

Attached is a letter requesting information on Phosphoric Acid. Will you please handle.

W. B. Papageorge

WBP:nlc
Enclosures

DSW 174191

refers to letter from Mrs. Strand
to Ethyl Inc. answered on 6/18.

370

STLCOPCB4048712

W. B. Papageorge - St. Louis - General Offices - B1ND

June 18, 1974

P. G. Benignus- B2SC
C. Paton - B2SC

Askarel Control -
Niagara Transformer
Call Report - May 30, 1974

P. D. Craska - 1010

In discussing the control of Askarel spillage with Mr. Bill Courtade, Niagara Transformer, I recommend that the following points be reviewed with him:

1. Practice good housekeeping and industrial hygiene.

2. Maintenance of Askarel handling equipment should not be neglected.

3. Avoid any mixing of Askarel with water.

4. All areas in which Askarels are handled should be paved and curbing be provided. Drainage from these areas should lead to a catch basin large enough to contain any spills. Drainage from these areas should not be connected to the plant sewer system.

5. All scrap liquid should be collected and disposal should be by high temperature incineration.

6. Solid waste contaminated with Askarel should also be destroyed by high temperature incineration.

Guidelines for the handling and disposal of Askarels have been proposed by NEMA. I have attached copies which I suggest you share with Mr. Courtade.

I hope this is useful. If I can help further, please let me know.

DSW 174192

W. B. Papageorge

WBP:nlc

369

STLCOPCB4048713

June 18, 1974

Mr. K. R. Linn
Senior Chemist
Chase Bag Company
General Laboratory
Chagrin Falls, Ohio 44022

Dear Mr. Linn:

In response to your letter of May 23rd, I can assure you that Pentachlorophenol is not used in the manufacture of Mersize RM Dry. To the best of our knowledge there are no detectable levels of Pentachlorophenol in this material.

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP:nlc

DSW 174193

368

W. B. Papageorge - St. Louis - General Offices - B1ND

June 18, 1974

P. O. DeGarmo - B3NJ
F. H. Kaprive - B2ND
J. S. Metcalf - B2NK

DISTRIBUTION FUNCTIONAL GUIDELINES

J. C. Weber
B3SC

I have reviewed the proposed Guidelines attached to your memo of June 11th and it appears to me that the changes you have indicated are appropriate and should be instituted.

W. B. Papageorge

WBP:nlc

DSW 174194

367

STLCOPCB4048715

June 18, 1974

Ms. E. Yvonne Vizzier, Manager
Marshall Durbin Companies
111 Millsaps Street
Jackson, Mississippi 39203

Dear Ms. Vizzier:

In response to your request for Aroclor samples, I am enclosing a Sample Request Form. Will you please have this form completed and returned to me so that I can arrange to have the sample material forwarded to you.

I regret to inform you that Monsanto no longer manufactures Aroclor 1248 and Aroclor 1260; therefore, I cannot send you any samples of these two materials.

Your request for a sample of Methyl Parathion has been forwarded to the appropriate individual within Monsanto and you should be hearing from him soon. If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP:nlc
Enclosure

DSW 174195

365

STLCOPCB4048716

W. B. Papageorge - St. Louis - General Offices - B1ND

June 18, 1974

R. A. Baxter - 5040
R. A. Herman - B2SJ
G. D. Nelson - N1A

ACL-66- Stability

Memo WBP to GDN, May 29, 1974

G. J. Levinskas - A2SC

Attached is Research Special Report No. 7661 entitled, "Rate of Decomposition of Chlorinated Cyanurates in Solution." Will you please forward a copy to the appropriate individual at the Centraal Instituut Voor Voedingsonderzoek (TNO), The Netherlands.

I hope this information is adequate. If not, please let me know.

W. B. Papageorge

WBP:nlc
Enclosure

DSW 174196

364

W. B. Papageorge - St. Louis - General Offices - B1ND

June 18, 1974

Chemical Listing by NCI

Messrs.
W. F. Symes - N1A
W. R. Richard - T2A

Attached is a list of chemicals being tested for carcinogenicity by the National Cancer Institute. Since it could cause some unwarranted concern, I suggest that this list not be distributed generally and discussions of the information included be selectively limited to as few individuals as possible.

I recommend that you review this list carefully to identify materials of interest to your business group. Please consider current and potential use as raw material, intermediate, or product. Also consider the possibility of trace amounts being present as contaminants. In those instances in which we are aware of our customer applications you may wish to evaluate indirect effects which may result should a material be found to be carcinogenic.

Please keep in mind that as yet no conclusions have been reached by NCI. The purpose of our review is to alert us in the event any problems do arise.

Please review any potential problem areas with me before any action is taken.

W. B. Papageorge

WBP:nlc
Enclosure

DSW 174197

363

W. B. Papageorge - St. Louis - General Offices - B1ND

June 18, 1974

C. S. Alack - B2SJ
R. D. McDaniel - B2SJ
D. D. Mickelson - 1560
E. L. Moore - B2SJ
H. Teicher - N1A
S. Vazopolos - N1A

L. E. Frank - 1560

Roger McDaniel and Charlie Alack have concluded that the preparation of a tentative finished product specification for EMA-901 would be appropriate at this time.

Will you please proceed to prepare the specification. If you need more information please let me know.

W. B. Papageorge

WBP:nlc

DSW 174198

362

STLCOPCB4048719

W. B. Papageorge - N1A

June 17, 1974

H. Teicher - N1A
J. T. Garrett - A2SA

Material Safety Data Sheet

F. B. Clarke
N1A

Attached are several copies of the Material Safety Data Sheet for 2-Ethyl Hexyl Acid Phosphate. You may share this information with customers as required.

W. B. Papageorge

WBP:nlc
Enclosures

DSW 174199

361

STLCOPCB4048720

W. B. Papageorge - St. Louis - General Offices - B1ND

June 17, 1974

ACL-85HF - Colgate Palmolive
Specification No. M-2320-5

R. A. Herman - B2SJ
T. G. Iversen - 1650
C. H. Matzek - B2SJ
E. L. Moore - B2SJ
G. D. Nelson - N1A

H. J. Horner - 1740

Attached is a memo from Chuck Matzek in which he expresses concern that we may not be able to meet Colgate Palmolive's requirements for ACL-85HF and requests that we define a Clear Particle Specification which is representative of routine ACL-85R production.

We need the plant's recommendation.

W. B. Papageorge

WBP:nlc
Attachment

DSW 174200

360

STLCOPCB4048721

June 17, 1974

Commanding Officer
U.S. N.A.D.
Crane, Indiana 47522

Attn.: Frank Montgomery
Code 505

Dear Mr. Montgomery:

Enclosed is the technical information on Aroclors which you requested.

I hope it is helpful. If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

nlc
Enclosures

DSW 174201

359

STLCOPCB4048722

W. B. Papageorge - St. Louis - General Offices - B1ND

June 17, 1974

R. L. Green - T3F
J. T. Garrett - A2SA

Material Safety Data
Sheets - Santotracs

F. H. Langenfeld - B2SF

Attached are copies of the completed Material Safety Data Sheets for the Santotrac products. You may reproduce this information and share it with others as required.

W. B. Papageorge

WBP:nlc
Enclosures

DSW 174202

358

STLCOPCB4048723

W. B. Papageorge - St. Louis - General Offices - B1ND

June 17, 1974

R. W. Magin - N1A
J. T. Garrett - A2SA

Material Safety Data Sheet
- Santofloc C

T. M. King - B2SG

As requested in your memo of May 8th, I am enclosing several copies of the Material Safety Data Sheet on Santofloc C. You may reproduce this information and share it with others as required.

W. B. Papageorge

WBP:nlc
Enclosures

DSW 174203

STLCOPCB4048724

June 17, 1974

Mr. Brad P. Volkert
Central Quality Control
A&C Division - East
Borden Chemical
14 Johnson Street
Bainbridge, New York 13733

Dear Mr. Volkert:

As requested in your letter dated May 14, I am enclosing copies of the Material Safety Data Sheets for our products: Aroclor 1221, Aroclor 1232, Aroclor 1242 and Santocel C.

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

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP:nlc

Enclosures

DSW 174204

356

W. B. Papageorge - St. Louis - General Offices - B1ND

June 17, 1974

W. R. Corey - B2SL

Aroclor 1260
Dept. of the Navy

H. S. Bergen - B2SL

Attached is a copy of a letter in which a Department of the Navy representative requests a meeting with Monsanto representatives to work out a plan for supplying Aroclor 1260 to the Navy for the use indicated until late 1975.

I have informed Mr. Harrell by telephone that we no longer manufacture Aroclor 1260 and that the sale of this material for applications similar to the one he described was discontinued in August 1970. He nevertheless is very anxious that we consider his request.

Is the Business Group interested in meeting with the Navy representatives?

W. B. Papageorge

WBP:nlc
Attachment

DSW 174205

355

STLCOPCB4048726

June 11, 1974

Mr. E. A. Whitman
Building 600
Naval Ordnance Station
Indian Head, Maryland 20640

Dear Mr. Whitman:

In reply to your recent request, we are pleased to enclose a copy of Monsanto's Technical Bulletin O/PL-306A, entitled Aroclor® Plasticizers.

Thank you for your interest. If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Products Group

(nlc)

Enclosure

DSW 174206

T

354

STLCOPCB4048727

June 17, 1974

Mr. William T. Williams
Box 573
Department of Chemistry
University of Nebraska
Lincoln, Nebraska 68508

Dear Mr. Williams:

Attached is a request form for samples of polychlorinated biphenyls.

Please return the completed form to me and I will send you a sample of Aroclor 1254.

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP:nlc
Enclosure

DSW 174207

352

STLCOPCB4048728

June 17, 1974

Mr. W. E. Tan
Laboratory Supervisor
M & T Chemicals Inc.
450 Milwaukee Street
Menasha, Wisconsin 54952

Dear Mr. Tan:

I regret and apologize for the delay in responding to your letter of May 2 in which you requested confirmation of FDA approval for D.P. Solution 4519.

This material does not have FDA approval for use in direct contact with liquid foods.

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

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP:nlc
cc: J. W. Key
bcc: F. B. Clarke - N1A
R. A. Herman - B2SJ
Dr. H. Teicher - N1A

DSW 174208

351

STLCOPCB4048729

June 17, 1974

Dr. James M. Quinn
Staff Scientist
E. I. Du Pont De Nemours & Company
Film Department
Circleville, Ohio 43113

Dear Dr. Quinn:

I regret that the information which we had intended to send you with my letter dated May 24th was inadvertently omitted. I have enclosed the information which we had originally intended to send you.

I hope that the lack of information has not seriously inconvenienced you.

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

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP:nlc
Enclosures

DSW 174209

1270

STLCOPCB4048730

June 17, 1974

Mrs. Arlene A. Hendrickson
Ashland Chemical Company
Research and Development Division
P. O. Box 2219
Columbus, Ohio 43216

Dear Mrs. Hendrickson:

In response to your letter dated June 7th, the materials listed are not used in the manufacture of Triphenyl Phosphate and are not present in detectable quantities.

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
Functional Product Groups

WBP:nlc

DSW 174210

349

STLCOPCB4048731

June 17, 1974

Mr. Fred E. Long
Air Program Supervisor, E.E.
Division of Surveillance
Ohio Environmental Protection Agency
2110 East Aurora Road
Twinsburg, Ohio 44087

Dear Mr. Long:

Enclosed is a collection of technical and application information pertaining to Aroclors which you requested in your letter dated June 3.

As you probably know, the applications in which you have expressed particular interest were discontinued beginning in 1970. Currently Monsanto sells Aroclors only to manufacturers of transformers and capacitors in which the Aroclors are used as dielectric fluids.

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
Functional Product Groups

WBP:nlc
Enclosures

DSW 174211

353

June 6, 1974

Dr. William Orthwein
Department of Engineering,
Mechanics and Materials
School of Engineering
and Technology
Southern Illinois University
Carbondale, Illinois 62901

Dear Dr. Orthwein:

I am sending under separate cover the samples of Aroclors you requested on May 30.

I would like to re-emphasize that under current conditions Monsanto's policy prohibits the sale of this material to applications such as the one you are developing.

I strongly recommend that every effort be made to find alternative materials.

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

1 Qt. Aroclor 1016 } S/N 1884
1 Qt " 1254 }

DSW 174212

348

STLCOPCB4048733

W. B. Papageorge - General Offices, B1ND

June 6, 1974

EMA - ELECTROLYTE STABILITY
TEST PROCEDURE

Shengen Hu - N1A
R. D. McDaniel - B2SJ
E. L. Moore - B2SJ
G. D. Nelson - N1A

Mr. L. E. Frank
1560 - Luling

Attached is a procedure recommended by Shengen Hu for determining the electrolyte stability of crosslinked ethylene maleic anhydride.

Will you arrange to have it formalized as a Luling test procedure and assign it the appropriate reference number.

W. B. Papageorge

/bt

Attachment

DSW 174213

347

STLCOPCB4048734

W. B. Papageorge--General Offices, B1ND

June 6, 1974

P. O. DeGarmo - B2NJ
R. C. Sprague - B2NG
J. C. Weber - B3SC

CUSTOMER PROBLEMS - PRODUCT ACCEPTABILITY PRACTICE NO. 6

Mr. J. S. Metcalf
B2NK

It has recently been brought to my attention that the referenced practice has no provision for response to a problem by representatives of COP.

It would appear that on occasion, someone in COP would be in the best position for preparing the proper report.

Can item 10 on page 3 be amended to include COP as a responding function along with the producing plant, the shipping plant and distribution?

W. B. Papageorge

/bt

DSW 174214

STLCOPCB4048735

W. B. Papageorge - General Offices, B1ND

June 6, 1974

K. W. Easley - 1920
A. J. Speziale - C3NA
E. P. Wheeler - A2SA

PENTA -
EPA DISCUSSION

Mr. H. S. Bergen
B2SL

Mr. Henry Korp, Deputy Assistant Administrator for Pesticide Programs, will be in St. Louis on Monday, June 10, and Tuesday, June 11.

I understand he will be in conference with Dr. Speziale all day Monday and Tuesday morning, and will be available for a discussion of Pentachlorophenols at 1:30 PM Tuesday.

Elmer Wheeler has been informed and indicated he will be available. Elmer suggests that a pre-meeting conference be held to review Monsanto's position.

I understand Mr. Korp plans to discuss a toxicity report he recently received from Reichhold and hopes to get Monsanto's opinions regarding an interim standard relating to Penta quality.

W. B. Papageorge

/bt

DSW 174215

345

W. B. Papageorge - General Offices, B1ND

June 6, 1974

PENTA, SANTOBRITE --
EPA REGISTRATION AND REPORTING

L. A. Furrer - C3NJ
T. L. Gossage - B2SL
J. C. Hume - 1740
J. R. Savage - B2SL
B. G. Tibbetts - B2SE

Mr. A. J. Koenig
B2SK

Attached are forms we received from EPA which must be completed and returned by June 15. The instructions for completing these forms are also attached.

Products of the Specialty Products Group which are involved are as follows:

Product	Reg. No.
Monsanto Penta	524-5
Santobrite Briquettes	524-23
Santobrite S	524-55
Santobrite Pellets	524-305
Santobrite No. 2 Fines	524-142

This report involves only those products which are manufactured or packaged in a Monsanto plant. Santobrite, which is packaged by Dow, should be reported under Dow's establishment registration number.

If any of our products are inactive we should report zero pounds produced in the past year and zero pounds predicted for the current year.

Please forward the completed forms to Larry Furrer who is assembling the total report for Monsanto.

W. B. Papageorge

/bt

Attachments

DSW 174216

344

STLCOPCB4048737

W. B. Papageorge- General Offices, B1ND

June 6, 1974

E. R. Billen
L. A. Furrer
R. A. Herman
D. D. Mickelson
E. L. Moore
D. L. Sliney

ACL, CDQ - EPQ
REGISTRATION AND REPORTING

Mr. S. R. Hinds
B2SB

Attached are forms we received from EPA which must be completed and returned by June 15. The instructions for completing these forms are also attached.

Products of the Special Chemical Systems Group which are involved are as follows:

Product	Reg. No.
ACL-59	524-105
ACL-60	524-106
ACL-63	524-106
ACL-66	524-261
ACL-70	524-108
ACL-85	524-107
ACL-90	524-107
CDQ	524-297

This report involves only those products which are manufactured or packaged in a Monsanto plant.

If any of our products are inactive we should report zero pounds produced in the past year and zero pounds predicted for the current year.

Please forward the completed form to Larry Furrer who is assembling the total report for Monsanto.

W. B. Papageorge

/bt

Attachments

DSW 174217

STLCOPCB4048738

June 6, 1974

301-762-5310

Mr. T. A. Corea
Control Data
1455 Research Boulevard
Rockville, Maryland 20850

Dear Mr. Corea:

Enclosed are Material Safety Data Sheets covering Monsanto's Pyranol® A13B3B and Aroclor® 1242 and a copy of the NEMA Official Standards Proposal for handling and disposal of polychlorinated biphenyls as promised.

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

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

Enclosures

DSW 174218

242

STLCOPCB4048739

W. B. Papageorge - General Offices, BlND

June 4, 1974

INDIAN STANDARDS INSTITUTE

Mr. David Wood
B2SC

I have reviewed the March 14 letter signed by Mr. Harcharan Singh of the Indian Standards Institute and the accompanying annexure. I have the following comments to offer.

In the first paragraph of the letter, reference is made to "aroclor" which implies that Monsanto's material is the only PCB available in India. This should be clarified.

In the proposed wording under "Warning" a suggestion is made that sawdust contaminated with PCBs should be burned. Proper destruction will not occur unless the temperatures exceed 800°C.

In the annexure, Section 1, Polychlorinated Biphenyls, the trademark Therminol should not be included since the polychlorinated biphenyl-based heat transfer fluids which were formerly sold under this trademark have been discontinued. Allis Chalmers and Wagner Electric no longer purchase polychlorinated biphenyls, therefore, the trademarks Chlorextol and No-flamol are no longer used. The trademark Phelochlor is unfamiliar to me. I suspect that the writers intended to refer to Fenclor. Japan is mentioned as a country in which polychlorinated biphenyls are manufactured. This is no longer true.

Under Section 3, Applications, as you know Monsanto's policy restricts the sale of polychlorinated biphenyl to the dielectric applications in transformers and capacitors. The member nations of the OECD have agreed to restrict their sales to dielectric applications as well as to hydraulic fluids for use in mining operations and as heat transfer fluids in applications not related to human food processing. To my knowledge the remaining applications described in this section have been discontinued.

DSW 174219

2111

I have enclosed information which I hope is useful. Additional copies are available should you decide to forward them to India.

W. B. Papageorge

/bt

Attachments:
"Chlorinated Biphenyl and Related Compounds" from Encyclopedia of Chemical Technology
NEMA Official Standards Proposal
Polychlorinated Biphenyls and the Environment, Interdepartmental Task Force on PCBs
Decision of the Council on Protection of the Environment by Control of Polychlorinated Biphenyls, (13 February, 1973)

BB
X

DSW 174220

W. B. Papageorge - General Offices, BIND

June 4, 1974

ACL-85 HF - COLGATE PALMOLIVE
SPECIFICATION NO. M-2320-5

H. J. Horner - 1740
R. A. Herman - B2SJ
T. G. Iversen - 1650
E. L. Moore - B2SJ
G. D. Nelson - N1A

Mr. C. H. Matzek
B2SJ

Hap Horner informed me by telephone that the WGK plant has and can continue to meet Colgate's specification by selecting lots that meet Colgate's 80% Minimum Clear Particle specification.

W. B. Papageorge

/bt

DSW 174221

240

STLCOPCB4048742

W. B. Papageorge - General Offices, B1ND

June 4, 1974

P. O. DeGarmo - B3NJ
W. R. Richard - T3A
P. L. Wright - A2SC

TOXICOLOGY - PHOSPHATE ESTERS
STAUFFER CHEMICAL

Mr. H. S. Bergen
B2SL

Recently, Dr. Ronald Joiner, toxicologist with Stauffer Chemical, called Paul Wright asking for toxicity information on our phosphate esters. Paul was very careful not to divulge proprietary information. Dr. Joiner apparently wanted more specifics than Paul could give him and suggested that perhaps Stauffer and Monsanto people should meet to discuss phosphate ester toxicology in greater detail.

Ollie DeGarmo will determine if the Plasticizers Group is interested in such a discussion. Is the Specialty Products Group interested?

W. B. Papageorge

/bt

DSW 174222

339

STLCOPCB4048743

W. B. Papageorge - General Offices, B1ND

June 4, 1974

P. O. DeGarmo - B3NJ
J. S. Metcalf - B2NK
R. C. E. Sprague - B2NG
J. C. Weber - B3SC

District Sales Managers
Plant Managers

Attached is a current list of individuals I believe could be involved in the handling of customer problems.

You may wish to make additional copies to share with individuals reporting to you.

W. B. Papageorge

/bt

Att.

DSW 174223

338

STLCOPCB4048744

W. B. Papageorge - General Offices, B1ND

June 3, 1974

DOT Docket No. HM-102
Flammable, Combustible, Pyrophoric
Liquids - Revised Definitions

Dr. W. R. Richard - T3A
Dr. W. F. Symes - N1A

R. S. Baker - B2SB
H. S. Bergen - B2SL
W. R. Corey - B2SL
R. A. Pohl - B2SB
E. M. Potter - B2NK
J. R. Savage - B2SL
J. K. Stephens - B2NK

Attached is a copy of Dick Sayers' memo with attachments describing recent changes in regulations governing the classification, labeling and packaging of certain hazardous materials for transportation.

Will you please review our products as outlined in steps 1 thru 5 in Dick's memo. Since the complete list should be submitted to Frank Kusiak by September 1, I would appreciate receiving the results of your studies by August 15.

Please make certain that you consider all products moving in Monsanto's name, including intermediates, plant transfers, swaps and materials purchased for resale.

W. B. Papageorge

WBP/bt

Attachment

DSW 174224

337

June 3, 1974

Dr. Richard H. Hudson
Denver Wildlife Research Center
Building 16
Denver Federal Center
Lakewood, Colorado 80225

Dear Dr. Hudson:

Enclosed is the sample request form I promised to send you. If you will complete this form and return it 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
Functional Product Groups

WBP/bt

Enclosure

DSW 174225

771

STLCOPCB4048746

MAY

DSW 174226

W. B. Papageorge - General Offices, B1ND

May 31, 1974

SANTOCEL C & SANTOCEL 54
SHERWIN-WILLIAMS

Memo, JDiT to WBP, 4/16/74

Mr. C. W. Cook, Jr.
B2SJ

J. DiTommaso - 1410
L. J. Gilbert - 1410
N. G. Hobbs - 1410
E. L. Moore - B2SJ
H. Teicher - N1A
A. A. Thompson - 1410

In the reference memo by Joe DiTommaso he points out that Sherwin-Williams' proposed specifications for Santocel C and Santocel 54 are not acceptable and similar specifications had been rejected in the past. Joe suggested that someone submit our specifications to Sherwin-Williams for their consideration.

What is the current status?

W. B. Papageorge

/bt

DSW 174227

225

STLCOPCB4048748

May 31, 1974

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

Dear Al:

I understand that the guidelines for Askarels, C107.1-(1974), were approved on January 9, 1974.

What is the procedure for getting copies of the approved version.

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

DSW 174228

324

STLCOPCB4048749

May 31, 1974

Ms. Kathryn A. Lawrence
Research Assistant
Midwest Research Institute
425 Volker Boulevard
Kansas City, Missouri 64110

Dear Ms. Lawrence:

We have reviewed the preliminary draft copy of Case Study No. 22 Pentachlorophenol, and have the following comments to offer:

On page 306, Section A, Product Description, Santophen should not be included since it is not Pentachlorophenol. Under Section B, Manufacturers, should not some comment be included regarding Reichhold's participation in the manufacture and sale of the sodium salt.

On page 312, reference is made to biodegradation. Some studies conducted at Purdue University indicate that degradation by bacteria is possible. I have included copies of papers by Drs. E. J. Kirsch, J. E. Etzel and J. P. Chu which you may find interesting.

I regret my delay in responding and I hope my comments are still appropriate.

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

Enclosures

DSW 174229

233

STLCOPCB4048750

W. B. Papageorge - General Offices, B1ND

May 30, 1974 B. G. Tibbetts - B2SE

SANTOBRITE - J. P. STEVENS CO.

Dr. D. R. Dill
Q2C

Attached is a form which J. P. Stevens has requested we complete. Do you have any information which we can forward in response to this request.

W. B. Papageorge

/bt

Attachment

DSW 174230

522

STLCOPCB4048751

W. B. Papageorge - General Offices, B1ND

May 30, 1974

EMA - NCR

Memo, CSA to WBP, 5/10/74

Mr. J. M. Kuenz
1180 - Chicago

C. S. Alack - B2SJ
Shengen Hu - N1A
G. D. Nelson - N1A
D. Oosthuizen - G4NN

As suggested by Charlie Alack I have enclosed two copies of each of the following procedures:

42-40-01-73	Specific Viscosity
42-40-04-73	Chlorides
42-40-05-73	Screen Analysis
42-40-06-73	Free Maleic Anhydride
42-40-07-73	Degree of Hydrolysis

Will you forward these to NCR.

W. B. Papageorge

/bt

Enclosures

DSW 174231

301

STLCOPCB4048752

W. B. Papageorge - General Offices, BlND

May 30, 1974 L. C. Lahman - 1060

SAMPLING PROGRAM -
ANNISTON PLANT
Memo, JTB to WBP, 5/24/74

Mr. J. T. Bell
1060 - Anniston

I have reviewed the draft of your proposed sampling program and I find it suitable for our current needs. I recommend you issue it in final form.

W. B. Papageorge

/bt

DSW 174232

330

STLCOPCB4048753

W. B. Papageorge - General Offices, B1ND

May 30, 1974

PROCTER & GAMBLE - ACL-56
AND ACL-59

Mr. C. H. Matzek
B2SJ

L. E. Frank - 1560
R. A. Herman - B2SJ
D. D. Mickelson - 1560
E. L. Moore - B2SJ
A. J. Nesanovich - 1560
D. Oosthuizen - G4NN

Early this month we were informed by Lou Frank that the plant could meet Procter & Gamble's specification No. 52300 for ACL-59 and specification No. 52632-2 for ACL-56 except for particle size.

What is the current status? Do you need further information?

W. B. Papageorge

/bt

DSW 174233

329

STLCOPCB4048754

W. B. Papageorge - General Offices, B1ND

May 30, 1973

G. F. Fague - B2SC
C. Paton - B2SC

SKYDROL 500B - CALIFORNIA
DEPARTMENT OF HEALTH

Mr. R. E. Hatton
B2SC

In responding to the California Department of Health request for information relating to Skydrol 500B I suggest that we inform them that the chemical composition of our Skydrols is considered confidential information for commercial reasons which we hope they understand. We can state that it is based on phosphate ester fluids since we state so in our Technical Bulletin IC/FF-39.

You can also inform them that we do not have analytical methodology for detecting phosphate compounds in air.

Since the writer of the letter indicates that they are conducting skin irritation studies with Skydrol 500B, I suggest you send a copy of the Toxicity and Safe Handling Statement by Dr. Kelly dated March 12, 1973, as well as a copy of the Technical Bulletin I mentioned above.

W. B. Papageorge

/bt

DSW 174234

278

STLCOPCB4048755

bcc: Mary Johnson - 1650
R. S. Koehne - 1650

May 30, 1974

Mr. R. Zeiner
Nopco Chemical Division
Diamond Shamrock Chemical Company
P. O. Box 2386R
Morristown, New Jersey 07960

Dear Mr. Zeiner:

As requested in your letter of May 1 to our New York office, I have attached copies of analytical methods for determining activity in Dequest® 2006 and Dequest® 2010.

I have also included copies of product specifications on which you will note the numerical color specifications you requested.

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
Functional Product Groups

WBP/bt

Enclosure

DSW 174235

227

STLCOPCB4048756

W. B. Papageorge - General Offices, B1ND

May 30, 1974

EMA - HYDROLYTIC STABILITY
TEST METHOD

Mr. L. E. Frank
1560 - Luling

C. S. Alack - B2SJ
Shengen Hu - N1A
R. D. McDaniel - B2SJ
D. D. Mickelson - 1560
E. L. Moore - B2SJ
G. D. Nelson - N1A
S. Vazopolos - N1A

Attached is a test method for determining the hydrolytic stability of crosslinked ethylene maleic anhydride.

Will you arrange to have it formalized as a Luling test procedure and assign it the appropriate reference number.

W. B. Papageorge

/bt

Attachment

DSW 174236

32.6

STLCOPCB4048757

Pink

May 30, 1974

Ms. Mary Schick
E. I. duPont de Nemours
Christiana Labs
Wilmington, Delaware 19898

Dear Ms. Schick:

Attached are copies of letters we have mailed to our ethylene vinyl chloride customers which I offered to send you. I have asked our Medical Department to prepare a summary of the acute toxicity information we have for our ethylene vinyl chloride latices. As soon as this summary is availabile, I will immediately forward it to you.

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

Enclosures

cc: Mr. L. D. Press

bcc: Mr. B. G. Moore - 1940
Mr. P. L. Slayton - 1650

DSW 174237

STLCOPCB4048758

W. B. Papageorge - General Offices, B1ND

May 29, 1974

EMA-901 TENTATIVE SPECIFICATION

Memo, WBP to LEF, 3/18/74
Memo, SH to CSA, 4/9/74

Mr. L. E. Frank
1560 - Luling

C. S. Alack - B2SJ
R. D. McDaniel - B2SJ
D. D. Mickelson - 1560
E. L. Moore - B2SJ
G. D. Nelson - N1A
W. F. Symes - N1A
S. Vazopolos - N1A

In my memo of March 18 I suggested that you prepare a tentative product specification for EMA-901 based on suggestions submitted by Steve Vazopolos. Subsequent to my request we received comments from Charlie Alack and Shengen Hu suggesting that Solution Viscosity be changed to Gel Viscosity and that we add Hydrolytic Stability and Electrolyte Stability.

Do you now have all of the information you need, including test methods, to prepare the tentative specification?

W. B. Papageorge

/bt

DSW 174238

224

STLCOPCB4048759

W. B. Papageorge - General Offices, B1ND

May 29, 1974

POLAROID CORP. - EMA-31
SPEC. NO. 17017, 8/16/73

Evaluation of Customer
Specification, 11/5/73

Mr. L. E. Frank
1560 - Luling

C. S. Alack - B2SJ
Shengen Hu - N1A
T. G. Iversen - 1650
R. D. McDaniel - B2SJ
D. D. Mickelson - 1560
E. L. Moore - B2SJ
G. D. Nelson - N1A
M. H. Ponder - 1650
S. Vazopolos - N1A

When you evaluated Polaroid's proposed specification for EMA-31 you noted the unavailability of reference methods for proper evaluation. Recently, Mike Ponder obtained copies of Polaroid test methods #SAM-7-4(A), Identity by I.R., #SAM-7-4(B), Total Volatiles, and #SAM-7-4(C), % Acid Form. I have attached copies of these methods.

May I have your comments.

W. B. Papageorge

/bt

Attachments

DSW 174239

STLCOPCB4048760

W. B. Papageorge - General Offices, BlND

May 29, 1974

ACL-66 - STABILITY

R. A. Baxter - 5040
R. A. Herman - B2SJ
G. J. Levinskas - A2SC
W. F. Symes - N1A

G. D. Nelson
N1A

It appears that we have received on several occasions requests from representatives of the Centraal Instituut Voor Voedingsonderzoek (TNO), The Netherlands, for information relating to the stability and conversion of ACL-66 in water.

I have attached a copy of the wording of one of the requests.

Do you have any information that would be helpful?

W. B. Papageorge

/bt

Attachment

DSW 174240

STLCOPCB4048761

bcc: F. G. Sutton

May 29, 1974

Mr. Robert H. McCoy
Senior Group Leader
Colloids Product Development
and Technical Service
Uniroyal Chemical
Elm Street
Naugatuck, Connecticut 06770

Dear Mr. McCoy:

I regret and apologize for the delay in responding to your letter of May 6. We were in the midst of a study to determine the vinyl chloride monomer content of our latices. The results of that study appeared in a recent mailing to our customers. A copy of this letter is attached.

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

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

Enclosure

DSW 174241

251

STLCOPCB4048762

bcc: F. G. Sutton

May 29, 1974

Mr. Howard Penn
Morton Chemical Company
1275 Lake Avenue
Woodstock, Illinois 60098

Dear Mr. Penn:

I regret and apologize for the delay in responding to your letter of April 22. We were in the midst of a study to determine the vinyl chloride monomer content of our latices. The results of that study appeared in a recent mailing to our customers. A copy of this letter is attached.

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

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

Enclosure

DSW 174242

320

STLCOPCB4048763

May 29, 1974

Mr. F. J. DeMaria
Para-Chem, Incorporated
Ontario & Roper Streets
Philadelphia, Pennsylvania 19134

Dear Mr. DeMaria:

Your letter dated May 17 to Mr. Fred Sutton has been forwarded to me for response. I regret and apologize for the delay but we were involved in a study to determine the vinyl chloride monomer of our latices. The results of this study, which was just completed, were reported in a letter which we mailed to our customers recently. A copy of that letter is attached for your information. You will note that the vinyl chloride monomer content varies over a fairly wide range from lot to lot. I can assure you that in no instance will the residual content exceed the higher level.

Because of the variable content precautions taken to control employee exposure should be based on the conditions which exist when latices with the higher residual content are used.

In your letter you suggested that a quality control data sheet be submitted for each lot of Polvin® 2814 shipped to you. Since the vinyl chloride monomer is not routinely determined, fulfilling your request would involve additional costs and delays. It would appear that the information obtained thereby would be of no practical value once you have established the proper conditions of use of this material.

In my opinion, proper precautions can be taken only after you monitor your operation as mentioned in our attached letter.

DSW 174243

319

STLCOPCB4048764

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

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

Enclosure

cc: Mr. W. G. Sutton

DSW 174244

STLCOPCB4048765

W. B. Papageorge - General Offices, BlND

May 29, 1974

ACL-85HF - COLGATE PALMOLIVE
SPECIFICATION NO. M-2320-5

R. A. Herman - B2SJ
T. G. Iversen - 1650
C. H. Matzek - B2SJ
G. D. Nelson - N1A
E. L. Moore - B2SJ

Mr. H. J. Horner
1740

In your memo dated April 29 you indicated that Colgate Palmolive specification for ACL-85HF can be met except for the air pycnometer density. I understand that the pycnometer density relates to the clear particle content. Are there enough reserve samples on hand of material which has been acceptable to Colgate which you can have studied to establish a relationship between the clear particle content and the air pycnometer density? Since we cannot consistently meet the plant density specification, I would like to be able to respond to Colgate in terms of the minimum clear particle content that we can supply.

W. B. Papageorge

/bt

DSW 174245

218

STLCOPCB4048766

May 29, 1974

Mr. Maurice E. Larrivee
Material Service Manager
Mead Technical Papers
South Lee, Massachusetts 01260

Dear Mr. Larrivee:

In response to your letter of March 21 I can assure you that the carcinogens listed are not used in the manufacture of Monsanto's Monflex® 4800.

I have forwarded a copy of your letter to Dr. P. O. DeGarmo in our Rubber and Process Chemicals Division for response relating to Monsanto Resins. You should be hearing from him shortly.

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

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

cc: Dr. P. O. DeGarmo

DSW 174246

717

STLCOPCB4048767

May 23, 1974

618-536-2368

Dr. William Orthwein
Department of Engineering,
Mechanics and Materials
School of Engineering
and Technology
Southern Illinois University
Carbondale, Illinois 62901

Dear Dr. Orthwein:

Enclosed is the sample request form for Aroclors which I offered to send you.

I have also enclosed information describing the Aroclors which I hope you find useful.

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

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

Enclosures

T.
A-1016 Typical Properties
A-1016/1242 Comparison
A-1016 Chromatogram

DSW 174247

316

STLCOPCB4048768

May 22, 1974

Mr. John E. Chaffin
Water Utilities Department
The City of San Diego
2797 Caminito Chollas
San Diego, California 92105

Dear Mr. Chaffin:

I have received your letter dated May 1, 1974 requesting a copy of Monsanto's publication "Analysis of Environmental Materials for Polychlorinated Biphenyls" Analytical Chemistry Method 71-35 and have enclosed a copy of this publication. I hope you find it helpful.

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

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

Enclosure

A (rec'd copy from Library to send to Mr. Chaffin)

DSW 174248

STLCOPCB4048769

May 22, 1974

Mr. John W. Carter
Department of Anatomy
The University of Texas
Health Science Center at San Antonio
7703 Floyd Curl Drive
San Antonio, Texas 78284

Dear Mr. Carter:

Attached are two articles referring to Monsanto's studies of the effects of PCBs on laboratory test animals as requested in your letter dated May 17. I have also enclosed a collection of articles dealing with many other PCB studies.

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
Functional Product Groups

WBP/bt

Enclosures

M+W
"Toxicological Studies with PCBs" by
Kehoe, Thamer, Cahanda & Wheeler

DSW 174249

314

W. B. Papageorge - General Offices, B1ND

May 21, 1974 T. L. Gossage/C. Paton - B2SL

OECD - PCB INFORMATION

Mr. P. J. A. Marsh
5040 - Brussels

Attached are copies of work sheets showing the information I have forwarded to the U.S. delegate to the OECD.

I am sending these copies to serve as a guideline for the type of information you may wish to include in the response to any similar requests you may get from the U.K. delegate.

W. B. Papageorge

/ht

Attachment

DSW 174250

213

STLCOPCB4048771

W. B. Papageorge - General Offices, B1ND

May 21, 1974

T. L. Gossage/C. Paton - B2SK

OECD - PCB INFORMATION

Mr. T. W. Oneson
5090 - Montreal

Attached are copies of work sheets showing the information I have forwarded to the U.S. delegate to the OECD.

I am sending these copies to serve as a guideline for the type of information you may wish to include in the response to any similar requests you may get from the Canadian delegate.

W. B. Papageorge

/bt

Attachment

DSW 174251

312

May 21, 1974

Mr. Lowell Miller
U.S. Environmental Protection Agency
Waterside Mall West
Fourth & "M" Streets S.W.
Washington, D.C. 20460

Dear Mr. Miller:

Attached are copies of the OECD form for the information exchange on PCBs which you originally had forwarded to Warren Easley.

I have responded to appropriate portions with information available to Monsanto. You will note some portions require information from other sources.

I regret and apologize for the delay in getting this information to you. I sincerely hope it has not created any embarrassment or inconvenience for you. If I can be of further service in this matter, please let me know.

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

Attachment

DSW 174252

311

STLCOPCB4048773

May 20, 1974

Mr. E. N. Azarowicz, President
E. N. Azarowicz, Inc.
2415 Cedar Lane
Vienna, Virginia 22180

Dear Mr. Azarowicz:

I have received your request for samples of Aroclor® 1221, Aroclor® 1242 and Aroclor® 1254 and have made arrangements to have these samples forwarded to you under separate cover.

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

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

A-1221
1242
1254 } s/n 1883

DSW 174253

STLCOPCB4048774

FINAL DRAFT
WBP/bt
5/16/74

Dear Customer:

In my letter dated April 10, 1974, I referred to the presence of residual quantities of vinyl chloride monomer in Monsanto's Monflex® and Polvin® (ethylene vinyl chloride latices) and enclosed a copy of the Federal Register dated April 5, 1974 in which the Occupational Safety and Health Administration (OSHA), U.S. Department of Labor, published an "Emergency Temporary Standard for Exposure to Vinyl Chloride."

On May 10, 1974, the U.S. Department of Labor took additional action on this matter and proposed a permanent Occupational Safety and Health Standard on vinyl chloride. A copy of the Federal Register notice setting forth the proposed permanent standard is attached. It should be noted that the proposed standard would be established at "no detectable level" for employee exposure.

Enclosed is the following information which we hope is helpful to you in complying with the current temporary standard: (1) a copy of an interim method proposed by the National Institute of Occupational Safety and Health (NIOSH) for the determination of vinyl chloride in air,

DSW 174254

STLCOPCB4048775

(ii) a summary of available portable monitoring equipment, (iii) information sheets describing a personnel air sampler and gas collecting tubes, (iv) a copy of the Occupational Safety and Health Reporter summary of guidelines issued to OSHA field personnel, and (v) lists of commercial analytical laboratories and industrial hygiene consultants.

In connection with the proposed permanent standard, after assessing your situation, you may want to submit comments to the Department of Labor as provided in the attached new regulations on or before June 10, 1974.

Concerning our material, recently-completed studies indicate that residual vinyl chloride monomer in Monflex® and Polvin® latices can range from 0.04% to 0.25% (400 to 2500 ppm). We do not know how these levels relate to potential exposure of your personnel because concentrations in the work area are infludenced by such factors as equipment and system designs, ventilation, housekeeping, work practices, application and process conditions -- for example, temperature, dilution, chemical reactions. We do know that the monomer content of the vapor space in sealed shipping containers can range from 0.06% to 3.0% (600 to 3000 ppm, volume basis). We understand that these levels are typical of latices of this type.

STLCOPCB4048776

We, therefore, recommend that you monitor your operation, particularly those confined or poorly ventilated areas in which the latex is exposed, such as drum, tank truck and tank car loading and unloading facilities and open tanks and vessels during operation or clean-out, so that proper precautions may be taken.

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

Enclosures

DSW 174256

STLCOPCB4048777

May 16, 1974

Dr. John T. Hardy
Assistant Professor of Biology
American University of Beirut
Beirut, Lebanon

Dear Dr. Hardy:

I have received your letter of May 9 requesting a sample of Aroclor® 1254 and have made arrangements to have this sample forwarded to you under separate cover. There is no charge for this sample.

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

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

Aroclor 1254 S/N 1825

DSW 174257

STLCOPCB4048778

W. B. Papageorge - General Offices, B1ND

May 16, 1974

2-ETHYL HEXYL ACID PHOSPHATE
MATERIAL SAFETY DATA SHEET

In turn to:

H. Teicher - N1A
J. T. Garrett - A2SA

Will each of you please complete the appropriate sections on the attached draft of a Material Safety Data Sheet for 2-Ethyl Hexyl Acid Phosphate and return it to me as soon as possible.

Thank you.

W. B. Papageorge

/bt

Attachment

DSW 174258

307

STLCOPCB4048779

W. B. Papageorge - General Offices, BIND

May 15, 1974

SPECIFICATIONS - SANTOWAXES

V. R. Haupt
L. C. Lahman
C. Paton
W. R. Richard
J. R. Savage
B. O. Severson

Mr. J. T. Bell
1060 - Anniston

In response to your memo of May 9, I reviewed your recommendations with Jim Savage and we both concur that since manufacturing facilities are non-existant you should remove the specifications for Santowax O, Santowax M, Santowax P and Santowax OM (EDM Formulations). Please retain existing correspondence and specifications in the file for future reference.

W. B. Papageorge

/bt

DSW 174259

STLCOPCB4048780

W. B. Papageorge - General Offices, B1ND

May 15, 1974

VINYL CHLORIDE MONOMER

B. G. Moore - 1940
L. D. Press - B2SD
P. L. Slayton - 1650
F. G. Sutton - B2SD

Mr. E. P. Wheeler
A2SA

In March, Mary Schick, a chemist at duPont's Christiana Labs, requested acute toxicity information on our ethylene vinyl chloride. A copy of Dave Press' memo relating to this request is attached.

Will your department please prepare a statement that we can forward to Ms. Schick.

W. B. Papageorge

/bt

Attachment

DSW 174260

305

STLCOPCB4048781

May 14, 1974

Dr. Celso de Barros Gomes
c/o Dr. K. F. J. Heinrich
Chemistry A121
National Bureau of Standards
Washington, D.C. 20234

Dear Dr. Gomes:

I have received your request for a one-pint sample of Aroclor® 1254 and have made arrangements to have this sample forwarded to you under separate cover.

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

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

Aroclor 1254 S/N 182X

DSW 174261

303

STLCOPCB4048782

W. B. Papageorge - General Offices, B1ND

May 14, 1974

SANTOFLOC C
MATERIAL SAFETY DATA SHEET

In turn to:

R. W. Magin - N1A
J. T. Garrett - A2SA

Please complete the appropriate sections on the attached Material Safety Data Sheet for Santofloc C and return to me as soon as possible.

Thank you.

W. B. Papageorge

/bt
Attachment

DSW 174262

STLCOPCB4048783

W. B. Papageorge - General Offices, BlND

May 14, 1974

EMA SPECIFICATIONS

Memo, RDMcD to WBP, 5/10/74

Mr. L. E. Frank
1560 - Luling

C. S. Alack
R. D. McDaniel
D. D. Mickelson
G. D. Nelson
R. A. Pohl
S. Vazopolos

Attached is a copy of Roger McDaniel's referenced memo and a copy of the current EMA-91 specification which originally applied to the Texas City operation.

Will you please prepare as outlined in Product Acceptability Practices Paper No. 3 a Tentative Finished Product Specification using form No. G-2598, Rev. 1/74.

W. B. Papageorge

/bt

Attachments-2

DSW 174263

.3C 1

STLCOPCB4048784

May 14, 1974

Mr. Tom W. Judkins
Department of Geology
University of Oregon
Eugene, Oregon 97403

Dear Mr. Judkins:

In your letter dated May 1, 1974 you requested information relating to alternative materials for Aroclor 4465 for mounting minerals on glass slides for microscopic examinations. I regret to inform you that I have no alternatives to suggest. Perhaps Cargille Laboratories, Inc., Cedar Grove, New Jersey, phone No. 201-239-6633 can be of some assistance to you.

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

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

DSW 174264

STLCOPCB4048785

W. B. Papageorge - General Offices, BIND

May 14, 1974

ACL-59 REGULAR
SPECIFICATION

Mr. D. D. Mickelson
1560 - Luling

L. E. Frank - 1560
S. Hedges - 1560
R. A. Herman - B2SJ
C. H. Matzek - B2SJ
E. L. Moore - B2SJ
G. D. Nelson - N1A
R. A. Pohl - B2SB

As discussed over the telephone, the forthcoming production run of ACL-59 will be used to determine your ability to produce material of consistent screen size. Immediately following this run, Lou Frank will submit a Finished Product Specification for proper approvals.

W. B. Papageorge

/bt

DSW 174265

STLCOPCB4048786

W. B. Papageorge - General Offices, B1ND

May 14, 1974

Mr. H. S. Bergen
B2SL

Attached is a draft of a proposed response to the OECD questionnaire for PCBs.

Your comments, please.

W. B. Papageorge

/bt

Attachment

DSW 174266

394

STLCOPCB4048787

May 13, 1974

Mr. Alfred Geber
President
Potomac Chemical Corp.
108 Calvert Terrace
Hagerstown, Maryland 21740

Dear Mr. Geber:

Your letter of April 29 requesting heavy metals content of products your company purchases from Monsanto has been forwarded to me for response relating to Syton DS and Mersize TFL 70 Pct. I have the following information to offer which I hope will fulfill your needs.

Syton DS:

Heavy Metals (Pb)	< 10 ppm typical

Mersize TFL 70 Pct.:

Copper	< 3.7 ppm typical
Lead	< 1.1 ppm typical

None of the heavy metals listed above are used in the direct production of these products and, therefore, we expect only trace quantities to be present.

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

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

DSW 174267

STLCOPCB4048788

W. B. Papageorge - General Offices, BlND

May 10, 1974

ACL-59 Regular Specification

L. E. Frank - 1560
S. Hodges - 1560
G. D. Nelson - N1A
E. L. Moore - B2SJ
R. A. Pohl - B2SB

Mr. D. D. Mickelson
1560 - Luling

The correct specification for ACL-59 Regular (1070-059) is the one listed in your memo as Luling Lab with the material "thru 200" shown at 60% Min.

I suggest Lou Frank formalize his ACL specifications by completing the recently-approved Finished Product Specification form (G-2599, Rev. 1/74) and submitting them for the proper approvals.

W. B. Papageorge

/bt

DSW 174268

295

STLCOPCB4048789

May 8, 1974

Mr. T. O. Arms
J. P. Stevens & Co.,Inc.
P. O. Box 428
Piedmont, South Carolina 29673

Dear Mr. Arms:

In response to your letter requesting hazardous and toxicological data on the products your company purchases from Monsanto, I have enclosed a Material Safety Data Sheet covering our EMA® 81.

I have forwarded a copy of your letter to Dr. P. O. DeGarmo in our Rubber and Process Chemicals Division for response relating to the other products listed in your letter. You should be hearing from him shortly.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Dr. P. O. DeGarmo

DSW 174269

STLCOPCB4048790

May 8, 1974

Mr. Thomas L. Martinke
Librarian
Hercules Research Center
Hercules Incorporated
Wilmington, Delaware 19899

Dear Mr. Martinke:

Your letter of April 10 has been forwarded to me for response relating to Aroclor®. I have enclosed literature pertaining to Aroclors® which I hope will fulfill your needs.

I have forwarded a copy of your letter to Bruce Ocko for response relating to Butvar and a copy to Marilyn McBride for response relating to Cerex. You should be hearing from each of them shortly.

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

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

Enclosure

cc: Marilyn McBride
Bruce Ocko

T

DSW 174270

293

STLCOPCB4048791

May 8, 1974

Miss Robyn Evans
Research Associate
Department of Biological Sciences
University of New Orleans
New Orleans, Louisiana 70122

Dear Miss Evans:

I have received your request for a 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
Functional Product Groups

WBP/bt

Aroclor 1254 s/n 1823

DSW 174271

292

STLCOPCB4048792

May 8, 1974

Mr. C. M. Jackson
Manager, Regulatory Services
Celanese Coatings Company
9800 East Bluegrass Parkway
P. O. Box 99038
Jeffersontown, Kentucky 40299

Dear Mr. Jackson:

In response to your letter of February 22, Monsanto's Santocel® C is not cleared under F.D.A. Section 121.2520, 121.2526 or 121.2571.

I have enclosed a summary of the F.D.A. clearances that do apply to Santocel.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 174272

STLCOPCB4048793

W. B. Papageorge - General Offices, B1ND

May 8, 1974

Mr. J. M. Kuenz
1180 - Chicago

As requested in your call report dated February 20, I have enclosed Product Specifications for DP Solution, n-Butyl Acid Phosphate and Ethyl Acid Phosphate for Economics Laboratory, Inc.

W. B. Papageorge

/bt

DSW 174273

STLCOPCB4048794

May 7, 1974

201-225-1618

Mr. C. W. Schultz
Bureau of Explosives Laboratory
Building 817
Raritan Center
Edison, New Jersey 08817

Dear Mr. Schultz:

As discussed during our telephone conversation last week, enclosed are copies of literature relating to polychlorinated biphenyls. I hope you find these publications helpful.

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

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

Enclosures

E, T, X, BB

DSW 174274

STLCOPCB4048795

W. B. Papageorge - General Offices, B1ND

May 6, 1974

R. S. Baker - B2SB
D. L. Sliney - B2SB

Mr. A. R. Handleman
B2SJ

In keeping with the principle that customer correspondence relating to routine product information which has been approved for disclosure should be handled primarily by the marketing group concerned, I have enclosed copies of Product Specifications for the following products:

Phos Chek
Phos Chek DAP
Phos Chek MAP

All future requests for Product Specifications and Material Safety Data Sheets (OSHA Form 20) should be directed to your office. Additional copies may be reproduced by the Printing Department, B-1-S.

The preparation of forms for new products and revisions to current copies will continue to be coordinated by my office.

W. B. Papageorge

WBP/bt

Enclosures

DSW 174275

100

STLCOPCB4048796

W. B. Papageorge - General Offices, B1ND

May 6, 1974

R. S. Baker - B2SB
R. D. McDaniel - B2SJ
D. L. Sliney - B2SB

Mr. C. W. Cook, Jr.
B2SJ

In keeping with the principle that customer correspondence relating to routine product information which has been approved for disclosure should be handled primarily by the marketing group concerned, I have enclosed copies of Material Safety Data Sheets (OSHA Form 20) and Product Specifications for the following products:

Santocel
Silester
Syton

All future requests for these forms should be directed to your office. Additional copies may be reproduced by the Printing Department, B1S.

The preparation of forms for new products and revisions to current copies will continue to be coordinated by my office.

W. B. Papageorge

WBP/bt

Enclosures

DSW 174276

207

STLCOPCB4048797

W. B. Papageorge - General Offices, B1ND

May 6, 1974

R. S. Baker - B2SB
R. A. Herman - B2SJ
D. L. Sliney - B2SB

Mr. C. H. Matzek
B2SJ

In keeping with the principle that customer correspondence relating to routine product information which has been approved for disclosure should be handled primarily by the marketing group concerned, I have enclosed copies of Material Safety Data Sheets (OSHA Form 20) and Product Specifications for the following products:

ACL
CYA

All future requests for these forms should be directed to your office. Additional copies may be reproduced by the Printing Department, B-1-S.

The preparation of forms for new products and revisions to current copies will continue to be coordinated by my office.

W. B. Papageorge

WBP/bt

Enclosures

DSW 174277

STLCOPCB4048798

W. B. Papageorge - General Offices, B1ND

May 6, 1974

R. S. Baker - B2SB
R. A. Herman - B2SJ
D. L. Sliney - B2SB

Mr. F. B. Clarke
B2SJ

In keeping with the principle that customer correspondence relating to routine product information which has been approved for disclosure should be handled primarily by the marketing group concerned, I have enclosed copies of Material Safety Data Sheets (OSHA Form 20) and Product Specifications for the following products:

Alkyl Acid Phosphate
Bone Ash
Lampblack
Mould Coat
Phos Chek P/30

All future requests for these forms should be directed to your office. Additional copies may be reproduced by the Printing Department, B-1-S.

The preparation of forms for new products and revisions to current copies will continue to be coordinated by my office.

W. B. Papageorge

WBP/bt

Enclosures

DSW 174278

785

STLCOPCB4048799

W. B. Papageorge - General Offices, B1ND

May 6, 1974

R. S. Baker - B2SB
R. D. McDaniel- B2SJ
D. L. Sliney - B2SB

Mr. C. S. Alack
B2SJ

In keeping with the principle that customer correspondence relating to routine product information which has been approved for disclosure should be handled primarily by the marketing group concerned, I have enclosed copies of Material Safety Data Sheets (OSHA Form 20) and Product Specifications for the following products:

Dequest
EMA

All future requests for these forms should be directed to your office. Additional copies may be reproduced by the Printing Department, B-1-S.

The preparation of forms for new products and revisions to current copies will continue to be coordinated by my office.

W. B. Papageorge

WBP/bt

Enclosures

DSW 174279

STLCOPCB4048800

May 6, 1974

Mr. J. A. Boughton
Manager, Services
Hughson Chemicals
Lord Corporation
Saegertown, Pa. 16433

Dear Mr. Boughton:

Your letter dated April 4 in which you requested information on Phos Chek P/30 has been forwarded to me for response relating to items 1, 2 and 3. I have attached information which I believe to be appropriate.

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

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

Enclosures

DSW 174280

STLCOPCB4048801

May 6, 1974

Mr. Charles Fiori
Room A-132
Building 222
National Bureau of Standards
Washington, D.C. 20234

Dear Mr. Fiori:

Attached are a copy of our old technical bulletin describing Monsanto's Aroclors® and a sample request form which I offered to send you.

As I mentioned to you, the only Aroclors® currently available are Aroclor® 1221, Aroclor® 1242 and Aroclor® 1254.

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

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

Enclosures

T

DSW 174281

STLCOPCB4048802

W. B. Papageorge - General Offices, BlND

May 2, 1974

Mr. D. L. Mellon
1010 - Akron

In response to your request for a copy of 29 CFR Section 1501.2 which is referenced on Material Safety Data Sheets, I have enclosed a copy of the booklet issued by the U.S. Department of Labor entitled "Material Safety Data Sheet." 29 CFR Section 1501.2 is defined on page 18 of this booklet.

W. B. Papageorge

/bt

Enclosure

DSW 174282

STLCOPCB4048803

STLCOPCB4048804

APRIL

W. B. Papageorge - General Offices, BlND

April 30, 1974

Dr. R. E. Kelly
A2SA

Would you please respond to the attached letter. Askarels are mixtures of polychlorinated biphenyls, trichlorobenzene and tetrachlorobenzene. PCB content varies from 60% to 100%. The remainder of the mixture is chlorinated benzene.

W. B. Papageorge

/bt

Attachment

DSW 174284

STLCOPCB4048805

April 30, 1974

Mr. T. G. Meglis
Project Engineer, Environmental
M&T Chemicals Inc.
Rahway, New Jersey 07065

Dear Mr. Meglis:

In response to your letter of March 18, 1974 requesting information relating to Monflex 4514, I have the following to offer:

1. Enclosed is a Material Safety Data Sheet covering this product.

2. Department of Hazardous Material Labels are not required for shipping.

3. Based on current knowledge of our raw materials and our processes, it is our best scientific opinion that the materials listed by the Occupational Safety and Health Administration in Part 1910.93C Emergency Temporary Standard on Certain Carcinogens on page 10929 of the Federal Register, Volume 38, No. 85, dated May 3, 1973 are not present in concentrations of 1% or more in the Monflex 4514 which your company purchases from Monsanto. However, you may wish to make your own assessment of our products.

Enclosed is a technical data sheet covering Monflex® 4514.

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

Enclosures

DSW 174285

STLCOPCB4048806

ANALYTICAL METHODS - MONFLEX® 4514

Percent Total Solids

Tare an aluminum weighing dish to 0.1 mg. Transfer 3-4 g of sample to the dish and obtain gross weight to 0.1 mg. Place the dish in a 130°C oven for 3 hours. Cool the dish in a dessicator and weigh to 0.1 mg. Report % solids.

$$\% \text{ Solids} = \frac{\text{net weight after drying}}{\text{net weight before drying}} \times 100$$

A quicker method requires the tare of an aluminum weighing dish to 0.1 mg. Transfer 1 g of sample to the dish and obtain gross weight to 0.1 mg. Use a Master Appliance HG-301 heat gun and blow hot air over the sample until dry. Care has to be taken so that none of the sample is blown out of the pan. % Solids are determined as indicated above.

Viscosity

Sample temperature must be 25° + 1°C. Pour 300 ml sample into a 400 ml beaker. Place a #2 spindle in the Brookfield viscometer model LVT and lower spindle into the sample to the level indicated by the indentation in the spindle shaft. Set the RPM selector at 6 and turn on the viscometer. After the spindle has completed 3 revolutions, depress the clutch and record the viscometer reading. While the clutch is still depressed turn the RPM selector to 60, turn on the viscometer, release the clutch and allow the spindle to complete 10 revolutions. Depress the clutch and record the viscometer reading. Convert the readings to centipoise.

Reading at 6 RPM x 50 = centipoise

Reading at 60 RPM x 5 = centipoise

Surface Tension

Use Fisher's Tensiomat.

The procedure is essentially that in the directions for the instrument except that no corrections for true surface tension are made--the dial reading is used. This reading is the one obtained after the sample has been adjusted for proper height so that the loop breaks the surface as the cross hairs mesh. Make only one repeat determination after this adjustment. Repeat determinations without cleaning the loop will give higher and higher readings due to the latex coating the wire.

The loop and holding wires should be cleaned immediately under the DI water tap, then plunged into a clear gas flame followed by another DI water rinse and ignition (few seconds) to red heat.

Preparation of Dry Polymer for % Cl and % N Determination

Twenty ml latex are slowly added to a stirred beaker containing 1200 ml isopropanol. The coagulated latex and isopropanol are then sitrred for 5 minutes. The polymer is filtered out using two isopropanol rinses. The vacuum to the filter is released before the polymer packs into the filter paper. The polymer is shredded up and stirred in 1500 ml of H_2O for 2 hours. It is then filtered using five 300 ml portions of H_2O as rinses. The polymer is dried in a vacuum dessicator for 24 hours at room temperature or until completely dry.

Vinyl Chloride Content

Total chlorine in the dry polymer is obtained by standard methods, consisting of a Schoniger combustion and potentiometric titration with silver nitrate. Total chlorine is assumed to be present as vinyl chloride. Therefore,

$$\% \text{ VCl} = \frac{(62.5)}{(35.5)} (\% \text{ Cl})$$

The coagulated polymer must be thoroughly dried prior to analysis.

STLCOPCB4048808

April 30, 1974

Mr. E. W. Saunders
Research Assistant
Department of Agricultural Chemistry
Oregon State University
Corvallis, Oregon 97331

Dear Mr. Saunders:

I have received your letter of April 17, 1974 requesting information relating to Aroclor® 1016. I do not have a technical bulletin for Aroclor® 1016 that I can share with you, however, I have enclosed copies of available literature pertaining to this product which I hope you find helpful.

In response to your request for production figures of polychlorinated biphenyls I have the following to offer:

1972	38600 M Lbs.
1973	42178 M Lbs.

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

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

Enclosures
A-1016/A-1242 Comparison
A-1016 Typical Properties
A-1016 Chromatogram

DSW 174288

April 30, 1974

Dr. J. McCaskie
Lea-Ronal, Inc.
272 Buffalo Avenue
Freeport, New York 11520

Dear Dr. McCaskie:

In response to your request for Material Safety Data Sheets on the products which we supply to your company, I have enclosed data sheets covering Monsanto's Dequest® 2000, Dequest® 2010 and Dequest® 2041. I apologize for the delay in responding to this request and hope you have not been inconvenienced.

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

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

Enclosures-3

DSW 174289

STLCOPCB4048810

April 29, 1974

National Technical Information Service
5285 Port Royal Road
Springfield, Virginia 22151

Gentlemen:

I would appreciate receiving a copy of report No. PB-223-808/AS relating to Silica Aerogel (syloid).

A check in the amount of $3.50 covering the cost of this publication is enclosed.

Thank you for your attention to this matter.

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

Enclosure

DSW 174290

STLCOPCB4048811

bcc: C. Paton

April 29, 1974

Mr. Arthur H. Wilder
Supervisor, Special Projects
Lighting Products Division
Corning Glass Works
Corning, New York 14830

Dear Mr. Wilder:

In response to your letter of April 17, I regret to inform you that the Aroclors® are no longer available as heat transfer fluids. Sales to this application were terminated by Monsanto because the Aroclors® contained polychlorinated biphenyls which have been identified as environmental pollutants.

I have enclosed copies of information of our current Therminol® products. Perhaps these fluids would be suitable for your application. If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

Enclosures

Toxicity Statements - Therminol 44, 55, 60, 66, 88
Osha Sheets - " " " " " "
Fact Sheets - Therminol 44 - IC/FF 32
" " " 55 - IC/FF 33
" " " 60 - IC/FF 34
" " " 66 IC/FF-35
" " " 88 dated 7/73

DSW 174291

STLCOPCB4048812

April 26, 1974

Mr. Darryl Mikuni
1052 Pine Oak Lane
Pasadena, California 91105

Dear Mr. Mikuni:

I have received your letter requesting information relating to Monsanto's Aroclors®. Enclosed are copies of publications pertaining to these products which I hope you find helpful in the preparation of your report.

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

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

Enclosures

C, E, F, H, J, K, L, M, O, Q, T, U, V, W, X, Y, Z, AA, CC

DSW 174292

STLCOPCB4048813

April 26, 1974

802-442-6301

Mr. L. Anzivino
Battery Products Division
Union Carbide
401 Gage Street
Bennington, Vermont 05201

Dear Mr. Anzivino:

Confirming our recent telephone conversation, Monsanto Company terminated the sale of Aroclor® 1260 to applications such as yours on August 30, 1970. This decision was reached following continued reports that polychlorinated biphenyls (PCBs), present in Aroclor® 1260, were being identified as environmental pollutants.

Currently Monsanto does not manufacture Aroclor® 1260. Aroclors® of lower chlorine content are supplied only to manufacturers of electrical capacitors and transformers for use as a fire-resistant dielectric fluid.

This marketing policy is supported by a Federal Interdepartmental PCB Task Force in its report dated May, 1972. I have enclosed a copy for your use.

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

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Products Group

WBP/bt

Enclosure

X

5/8 sent 3 additional copies of Task Force Report (Yellow)

DSW 174293

STLCOPCB4048814

April 25, 1974

Dr. John T. Hardy
Assistant Professor of Biology
American University of Beirut
Beirut, Lebanon

Dear Dr. Hardy:

In response to your letter of March 12 I wish to inform you that, because of environmental considerations, Monsanto has restricted the sale of Aroclor® 1254 to manufacturers of electrical capacitors and transformers for use as a fire-resistant dielectric fluid. We do not sell this material for any other purpose. However, since you indicated you plan to use polychlorinated biphenyls in biological research, perhaps I can send you a sample of the material. Will you please let me know how much material you will need to conduct your studies.

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

DSW 174294

April 25, 1974

Mr. Lyman B. Dickerson
ECOLOCHEM
P. O. Box 844
1265 Burlington Street
Opa-locka, Florida 33054

Dear Mr. Dickerson:

Enclosed is a Material Safety Data Sheet covering Monsanto's Dequest 2010 which you requested in your letter of March 28, 1974.

A copy of your letter has been forwarded to Dr. P. O. DeGarmo in our Rubber and Process Chemicals Division for response relating to 50% Sodium MBT. You should be hearing from him shortly.

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

Enclosure

cc: Dr. P. O. DeGarmo

DSW 174295

STLCOPCB4048816

April 25, 1974

Dr. Sarjeet Singh Gill
School of Biological Sciences
Universiti Sains Malaysia
Penang, Malaysia

Dear Dr. Gill:

Your letter of March 27 addressed to Monsanto's Dr. J. M. Magner has been forwarded to me for response relating to samples of polychlorinated biphenyls and polychlorinated terphenyls. I have made arrangements to have samples of Aroclor® 1221, Aroclor® 1242 and Aroclor® 1254 forwarded to you under separate cover.

I regret I cannot provide samples of polychlorinated terphenyls but Monsanto has discontinued the manufacture of these materials 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
Functional Products Group

WBP/bt

cc: Dr. J. M. Magner
Monsanto Company

A-1221
A-1242
A-1254
} slr 1822

DSW 174296

STLCOPCB4048817

April 25, 1974

Mr. H. W. Speicher, Administrator
Headquarters Industrial Hygiene
Westinghouse Electric Corporation
700 Braddock Avenue
East Pittsburgh, Pennsylvania 15112

Dear Mr. Speicher:

I have received your letter of April 11, 1974 requesting information relating to any health and safety hazards involved in the use of our material, PhosChek® P/30. I have enclosed a Material Safety Data Sheet covering this product which I hope will fulfill your needs.

In response to your request for heavy metal content of PhosChek® P/30, I have the following to offer:

Arsenic	< 0.5 ppm

I hope the above information will satisfy your requirements. If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

Enclosure

DSW 174297

STLCOPCB4048818

W. B. Papageorge - General Offices, B1ND

April 23, 1974

MONOCHLOROBIPHENYL

Memo, CP to WHS, 3/14/74
Letter, MEW (Dow) to WHS, 4/3/74

H. S. Bergen	B2SL
K. W. Easley	1920
T. L. Gossage	B2SL
W. H. Slowikowski	1010
J. F. Stapleton	B2SA
E. P. Wheeler	A2SA

Dr. C. Paton
B2SC

On Thursday, April 18, 1974, Warren Easley and I met with Dr. Warren Muir, Council on Environmental Quality, and informally discussed Monsanto's intent to manufacture and sell monochlorobiphenyl as outlined in your memo to Bill Slowikowski dated March 14 and taking into consideration comments from Dow's Marvin Winquist in his April 13, 1974 letter to Bill Slowikowski.

Dr. Muir expressed appreciation for the information. He personally does not believe any serious problems would develop and suggested he would introduce this information to the "Toxic Substances of the Month Club."

Dr. Muir expressed a tentative thought that perhaps Monsanto should also discuss monochlorobiphenyl with the Office of Toxic Substances, EPA. He offered to think further about this approach before he would recommend it to us.

I personally believe the discussion went extremely well. Will someone inform Mr. Winquist?

W. B. Papageorge

/bt

DSW 174298

STLCOPCB4048819

April 23, 1974

Mrs. B. Branch
Marquette Petroleum Products
7270 South Chicago Avenue
Chicago, Illinois 60619

Dear Mrs. Branch:

Confirming our telephone conversation, Monsanto currently sells its polychlorinated biphenyls, marketed under the Aroclor® trademark, to manufacturers of transformers and capacitors in which the polychlorinated biphenyls are used as fire-resistant dielectric insulating fluids. The purchasers of Aroclors® must sign a hold-harmless agreement with Monsanto and demonstrate financial responsibility.

I have enclosed copies of articles describing the Aroclors®.

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
Functional Product Groups

WBP/bt

Enclosures

E & T
A 1016 & A 1242 Comparison
A-1016 Typical Properties
A-1016 Chromatogram

DSW 174299

STLCOPCB4048820

bcc: F. B. Clarke - B2SJ

April 23, 1974

Mr. R. F. Hennig
Vice President-Corporate Director of Purchases
The Sherwin-Williams Co.
101 Prospect Avenue
Cleveland, Ohio 44115

Dear Mr. Hennig:

I reviewed your specification, your Code 53-35-25, for PhosChek P/30 and note that it is similar to the specification submitted to and acknowledged by Monsanto on July 24, 1972 except for the references to Screen Analysis.

Originally this specification was as follows:

Screen Size, USSS	
On 100	0.1% Min.
On 200	0.5% Min.
Thru 325	85% Max.

The copy of the current specification which I reviewed does not show the 0.1% and 0.5% aligned with On 100 and On 200, respectively, nor does it refer to the 325 mesh requirement. I assume the 85% was intended to refer to the amount thru 325. Will you have someone review this matter and inform me of your needs.

Respectfully,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

cc: T. C. Keefe - The Sherwin-Williams Co.
F. B. Klemencic - Monsanto Industrial Chemicals Company

DSW 174300

STLCOPCB4048821

April 19, 1974

Mr. Robyn Evans
Research Associate
Department of Biological Sciences
University of New Orleans
New Orleans, Louisiana 70122

Dear Mr. Evans:

I have received your letter of April 19, 1974 addressed to Dr. Jordan Bloomfield requesting samples of Aroclor® 1248, Aroclor® 1254 and Aroclor® 1260. I have enclosed a Request for Sample Quantity of Product Containing Polychlorinated Biphenyls. If you will complete this form and return it to me, I will arrange to have a sample of Aroclor® 1254 forwarded to you.

I regret I cannot provide samples of Aroclor® 1248 or Aroclor® 1260 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

Enclosure

DSW 174301

STLCOPCB4048822

April 15, 1974

Mr. R. A. Williams
Department 402
Building 271B
Mail Stop 151
McDonnell Douglas Corporation
P. O. Box 516
St. Louis, Missouri 63166

Dear Mr. Williams:

Confirming our telephone conversation, I can assure you that Monsanto has not sold polychlorinated biphenyls (PCBs) for use in coatings, sealants, and plasticizer applications since August 30, 1970. Sales to other applications were gradaully terminated and since January 1972 Monsanto has sold PCBs only for use as a dielectric fluid in electrical capacitors and transformers.

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

DSW 174302

258

April 11, 1974

Dr. Felix Sanz
Instituto Nacional de
Investigaciones Agrarias
C.R.I.D.A. 6
Embajadores, 68
Madrid, Spain

Dear Dr. Sanz:

I have received your letter of March 29 requesting Aroclor samples and am forwarding to you under separate cover samples of Aroclor 1242 and Aroclor 1254. I regret I cannot provide a sample of Aroclor 1260 or Aroclor 1248 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

A-1242 } s/n 1851
A-1254 }

DSW 174303

357

STLCOPCB4048824

bcc: P. E. Heisler - 1740
D. B. Hosmer - E1SF
E. V. John - B1ND

April 11, 1974

Mr. Charles Hiemenz
Research Associate
Coalition for the Environment
6267 Delmar Boulevard
St. Louis, Missouri 63130

Dear Mr. Hiemenz:

Your letter of March 30 addressed to Mr. Arnold Nagel was forwarded to me for response because I have been intimately involved with polychlorinated biphenyls (PCBs).

I find your reference to the storage of PCBs and the removal of this material from an area by July puzzling. I am not aware of any problem relating to the storage of PCBs.

In our efforts to prevent PCBs from entering the environment we installed an incinerator capable of properly destroying scrap PCBs. As a service to our customers we have offered to incinerate the scrap material which they would forward to us. The PCBs, therefore, that are stored represent the normal backlog of material that would be found in an operation of this type. The storage is controlled to prevent loss to the environment and the incinerator is operated under conditions approved by the regulatory authorities.

I hope the above information is helpful to you. If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 174304

STLCOPCB4048825

W. B. Papageorge - General Offices, B1ND

April 11, 1974

BIOTEKNIKA INTERNATIONAL, INC.

J. T. Garrett - A2SA
R. E. Keller - T1B
W. R. Richard - T3A
E S. Tucker - T2F
E P. Wheeler - A2SA

Mr. H. S. Bergen
B2SL

Mr. Bryon A. Moe, President, Bioteknika International, Inc., has called me several times aggressively seeking a meeting with Monsanto representatives to discuss industrial applications of his patent relating to the microbial degradation of PCBs.

Earlier this year Mr. Moe had written to Mr. John W. Hanley requesting such a meeting. His letter was answered by Jack Garrett.

Are you interested in such a meeting?

W. B. Papageorge

/bt

DSW 174305

STLCOPCB4048826

W. B. Papageorge - General Offices, B1ND

April 11, 1974

TOXIC POLLUTANT
EFFLUENT STANDARDS

H. S. Bergen - B2SL
W. R. Corey - B2SL
D. B. Hosmer - E1SF
P. S. Park - A3SA

Mr. J. R. Savage
B2SL

Attached is a copy of an EPA list of categories of information which counsel for EPA has indicated they intend to cover on cross-examination of industrial witnesses.

This particular list has been prepared for cross-examination on cyanides, cadmium and mercury. There is good possibility that the same areas will be covered for the remaining pollutants, including PCBs. At present we do not know when PCBs will be on the agenda but there is some indication that they will probably be discussed during the first week of May.

In order to be properly prepared we should gather all of the information required to respond to the attached questions.

Will you please assemble this information by Wednesday, April 24.

W. B. Papageorge

/bt

Attachment

DSW 174306

STLCOPCB4048827

W. B. Papageorge - General Offices, B1ND

April 11, 1974

TOXICITY STUDIES

W. R. Corey - B2SL
S. R. Hinds - B2SB
G. J. Levinskas - A2SC
W. F. Symes - N1A
P. L. Wright - A2SC

Mr. R. S. Baker
B2SB

Attached is a summary of toxicity studies initiated during the first quarter of 1974 for the Special Chemical Systems Group.

W. B. Papageorge

/bt

Attachment

DSW 174307

253

STLCOPCB4048828

W. B. Papageorge - General Offices, BIND

April 11, 1974

TOXICITY STUDIES

W. R. Corey - B2SL
A. J. Koenig - B2SK
G. J. Levinskas - A2SC
W. R. Richard - T3A
P. L. Wright - A2SC

Mr. H. S. Bergen
B2SL

Attached is a summary of toxicity studies initiated during the first quarter of 1974 for the Specialty Products Group.

W. B. Papageorge

/bt

Attachment

DSW 174308

STLCOPCB4048829

W. B. Papageorge - General Offices, B1ND

April 10, 1974

FR HYDRAULIC FLUIDS GUIDE

WDL's Memo Dated April 8

T. H. Bottini - B2CA
G. F. Fague - B2SC
R. N. Perotti - E1NE
E. P. Wheeler - A2SA

Mr. W. D. Lubic
B1NB

I have reviewed the referenced publication and find it to be acceptable.

W. B. Papageorge

/bt

DSW 174309

251

STLCOPCB4048830

April 10, 1974

Dr. Neil J. Pearl
Chemical Research Department
Oakite Products, Inc.
50 Valley Road
Berkeley Heights, N.J. 07922

Dear Dr. Pearl:

I have received your letter of March 18, 1974 requesting samples of Aroclor® 5460 and Diphenyl Phthalate.

I regret I cannot provide a sample of Aroclor® 5460 but Monsanto has discontinued the manufacture of this material and our supply of samples has been depleted.

I have forwarded a copy of your letter to Dr. P. O. DeGarmo in our Rubber and Process Chemicals Division. You should be hearing from him shortly relating to Diphenyl Phthalate samples and literature.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

cc: Dr. P. O. DeGarmo

DSW 174310

STLCOPCB4048831

April 10, 1974

Dr. Huei-hsiung Wang
Department of Wood & Paper Science
Robertson Pulp & Paper Laboratory
North Carolina State University
Box 5516
Raleigh, North Carolina 27607

Dear Dr. Wang:

Your letter of March 28, 1974 requesting samples of Gelva 264, Aroclor® 5460 and Santolite MHP has been forwarded to me for response relating to Aroclor® 5460.

I regret I cannot supply a sample of Aroclor® 5460 as Monsanto has discontinued the manufacture of this product and our supply of samples has been depleted.

I have forwarded a copy of your letter to Mr. Bruce Ocko in our Polymers and Petrochemicals Division for response relating to Gelva 264 and a copy to Dr. P. O. DeGarmo in our Rubber and Process Chemicals Division for response relating to Santolite MHP. You should be hearing from each of them shortly.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

cc: Dr. P. O. DeGarmo
Mr. Bruce Ocko

DSW 174311

STLCOPCB4048832

April 9, 1974

Dr. Grace S. Neff
Research Associate
College of Science
Texas A&M University
College Station, Texas 77843

Dear Dr. Neff:

Mr. Paul R. Graham has informed me of your request for a sample of Aroclor® 1260. I regret I cannot provide a sample of this material as Monsanto has discontinued the manufacture of Aroclor® 1260 and our supply of samples has been depleted.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

cc: Mr. P. R. Graham

DSW 174312

STLCOPCB4048833

April 9, 1974

Mr. James M. Devine
Pesticide and Water Chemistry Section
College of Arts and Science
Lake Ontario Environmental Laboratory
State University of New York
Oswego, New York 13126

Dear Mr. Devine:

I have received your request for a 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

Aroclor 1254 - S/N 1820

DSW 174313

STLCOPCB4048834

W. B. Papageorge - General Offices, B1ND

April 9, 1974

C. Paton - B2SC
J. F. Herber - T3G

MCS-1569 - MATERIAL
SAFETY DATA SHEET

Memo, RLK to WBP, 1/25/74

Mr. R. L. Koch
B2SC

As requested in the referenced memo, enclosed is a Material Safety Data Sheet covering our MCS-1569.

W. B. Papageorge

/bt

Enclosure

DSW 174314

STLCOPCB4048835

W. B. Papageorge - General Offices, B1ND

April 9, 1974

SANTOCEL SPECIFICATION
GENERAL ELECTRIC

J. DiTommaso - 1410
N. G. Hobbs - 1410
E. L. Moore - B2SJ
H. Teicher - N1A

Mr. C. W. Cook, Jr.
B2SJ

I have reviewed General Electric's specification D4Y13-S2. It appears that it is based on the comments that I offered to a Mr. W. Arnold, General Electric Company, in correspondence dated August 17, 1973.

We should be able to meet this specification with our Santocel C.

W. B. Papageorge

/bt

Attachments

DSW 174315

STLCOPCB4048836

W. B. Papageorge - General Offices, B1ND

April 9, 1974

N-BUTYL ACID PHOSPHATE SPEC.
NATIONAL LEAD INDUSTRIES

Request for Evaluation of
Customer Specification, 2/1/74

J. DiTommaso - 1410
N. C. Hobbs - 1410
E. L. Moore - B2SJ
H. Teicher - N1A

Mr. F. B. Clarke
B2SJ

Attached is Joe DiTommaso's response to your request that we evaluate National Lead's specification No. CH-226. You will note that the plant cannot meet the proposed Acid Value.

Will National Lead accept our specification -- a copy of which is attached.

W. B. Papageorge

/bt

Attachments-2

DSW 174316

STLCOPCB4048837

April 8, 1974

Mr. Robert C. Conrad
American Motors Corporation
5626 Twenty-Fifth Avenue
Kenosha, Wisconsin 53140

Dear Mr. Conrad:

In response to your letter dated March 26 I have attached a Material Safety Data Sheet for our Santocel 54 which your company purchases from Monsanto.

Data on trace elements in our Santocel 54 is as follows:

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

Based on current knowledge of our raw materials and our processes, it is our best scientific opinion that the materials listed by the Occupational Safety and Health Administration on page 10929 of the Federal Register, Volume 38, No. 85, dated May 3, 1973 are not present in concentrations of 1% or more in the Santocel 54 which your company purchases from Monsanto. However, you may wish to make your own assessment of our product.

I have also enclosed literature which contains technical information on our Santocels.

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

Enclosures

DSW 174317

STLCOPCB4048838

W. B. Papageorge - General Offices, B1ND

April 8, 1974

SANTOCEL 62 -
DOW CORNING SPECIFICATION

WBP's Memo dated 2/6/74

Mr. C. W. Cook, Jr.
B2SJ

J. DiTommaso - 1410
N. G Hobbs - 1410
J. M. Kuenz - 1180
R. D. McDaniel - B2SJ
E. L. Moore - B2SJ
W. L. Merman - 1410
D. Oosthuizen - G4NN
W. F. Symes - N1A
H. Teicher - N1A
A. A. Thompson - 1410

Attached is a copy of Joe DiTommaso's comments relating to Dow Corning's proposed specifications submitted to us with J. M. Kuenz's call report dated January 30, 1974.

May I have your comments.

W. B. Papageorge

/bt

Attachment

DSW 174318

STLCOPCB4048839

April 8, 1974

Dr. Lewis Greenwald
Department of Zoology
College of Biological Sciences
The Ohio State University
1735 McNeil Avenue
Columbus, Ohio 43210

Dear Dr. Greenwald:

We do not have any personal experience in the preparation of labeled PCB mixtures. However, my technical advisers in our research department have indicated that your proposed procedure of chlorination followed by distillation can result in a material which resembles the commercial Aroclor® 1254.

Since we do not have any particular expertise with labeled PCBs, I recommend that you contact Dr. James W. Woods, Technical Director, Labeled Compounds, Mallinckrodt Chemical Works, Nuclear Division, Box 5439, St. Louis, Missouri 63160, 314-291-8191. Dr. Woods may be able to arrange for the preparation of this material for you.

I hope this is helpful. If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 174319

5411

STLCOPCB4048840

April 8, 1974

Mr. Alex J. Pieroni
Manager of Purchasing
PVO International, Inc.
416 Division Street
Boonton, New Jersey 07005

Dear Mr. Pieroni:

In response to your letter dated March 12, 1974 I can assure you that all materials supplied to your company by Monsanto Company meet the PCB regulations published in the Federal Register on July 6, 1973.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 174320

STLCOPCB4048841

April 8, 1974

Mr. Charles Johnson
Manager, Research Laboratory
Brown & Bigelow
1286 University Avenue
St. Paul, Minnesota 55104

Dear Mr. Johnson:

Your letter dated March 18 to Mr. Paul Benignus was forwarded to me for response.

As you probably know, Monsanto withdrew the sale of Aroclor® 1260 for use as an ingredient in adhesives in August, 1970. We have not manufactured nor sold any Aroclor® 1260 for any application for over one year.

With the discontinuance of the manufacture of this product we do not have any new literature to share with you, but I am sending you a copy of an old bulletin describing the physical and chemical characteristics of our old Aroclor® product line. I hope you find this bulletin useful.

Aroclor® 1260 is not considered a carcinogen and to my knowledge OSHA has not promulgated any restrictions.

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 T

DSW 174321

cc: P. G. Benignus

STLCOPCB4048842

W. B. Papageorge - General Offices, B1ND

April 8, 1974

LAMPBLACK 10X - GOODYEAR
TIRE AND RUBBER COMPANY

D. C. Dieterich - 1150
J. E. Eldridge - 1150
R. A. Herman - B2SJ
E. L. Moore - B2SJ
H. Teicher - N1A

Mr. F. B. Klemencic
1010

The latest Goodyear proposed specification for Lampblack 10X is identical to one submitted in October, 1973.

Agreement on all matters except Bag Marking was reached late last year. (See copy of my memo dated December 14, 1973 and copy of F. B. Klemencic's letter to M. Cachet dated January 2, 1974 attached.)

To my knowledge Ed Moore, Dave Dieterich and Roy Herman have not as yet resolved the Bag Marking request and by copy of this memo I again suggest they address themselves to this matter.

W. B. Papageorge

/bt

Attachments

DSW 174322

238

STLCOPCB4048843

W. B. Papageorge - General Offices, B1ND

April 8, 1974

SANTOCEL C, 54 and 68

Mr. C. W. Cook, Jr.
B2SJ

In responding to the attached requests from Inmont relating to heavy metal content of Santocel C and Santocel 54, I suggest the following:

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

Attached is a copy of the OSHA form which you requested for Santocel 68. You will note that this form applies to all of our Santocels.

W. B. Papageorge

/bt

Attachment

DSW 174323

STLCOPCB4048844

W. B. Papageorge - General Offices, B1ND

April 5, 1974

THEOBOLD INDUSTRIES BULLETIN
THERMINOL 66/OILS

J. F. Herber - T3Q
G. J. Levinskas - A2SC
C. Paton - B2SC
J. F. Stapleton - B2SA

Mr. G. P. Pague
B2SC

I have reviewed the article proposed by Theobold Industries and find it acceptable.

I concur with comments you have received from the Research and Medical departments.

W. B. Papageorge

/bt

DSW 174324

72L

STLCOPCB4048845

W. B. Papageorge - General Offices, B1ND

April 5, 1974

T. H. Bottini - B2CA
R. N. Perotti - E1NE

THERMINOL/PYDRAUL AD

Memo, WDL to WBP, 3/21/74

Mr. W. D. Lubic
B1NB

This is to confirm my verbal approval of the Therminol/Pydraul ad attached to your memo of March 21.

W. B. Papageorge

/bt

DSW 174325

235

STLCOPCB4048846

W. B. Papageorge - General Offices, B1ND

April 5, 1974

FUNCTIONAL FLUIDS OFF-
SHORE PRODUCTS BULLETIN
WDL memo dated 4/4/74

T. H. Bottini - B2CA
R. N. Perotti - E1NE
E. P. Wheeler - A2SA

Mr. W. D. Lubic
B1NB

I have reviewed the proposed referenced bulletin and find it to be acceptable.

W. B.Papageorge

/bt

DSW 174326

STLCOPCB4048847

W. B. Papageorge - General Offices, B1ND

April 5, 1974

DICHLOROBENZENE - MIDWEST
RESEARCH INSTITUTE CASE STUDY

Messrs.

R. E. Bilger - B3NA
H. C. Carder - B3NH
P. O. DeGarmo - B3NJ
A. R. Hemple - B3NJ
J. C. Hutchison - B3NC

Have you any comments which you believe we should forward to Midwest Research Institute?

W. B. Papageorge

/bt

Enclosure

DSW 174327

STLCOPCB4048848

W. B. Papageorge - General Offices, BlND

April 5, 1974

PENTACHLOROPHENOL - MIDWEST
RESEARCH INSTITUTE CASE STUDY

Messrs.

H. S. Bergen
T. L. Gossage
W. R. Richard
J. R. Savage
B. G. Tibbetts
E. P. Wheeler

Have you any comments which you believe we should forward to Midwest Research Institute?

W. B. Papageorge

/bt'

Enclosure

DSW 174328

STLCOPCB4048849

W. B. Papageorge - General Offices, B1ND

April 3, 1974 F. H. Langenfeld - B2SF

SANTOTRAC 30, 40, 50 and 70
MATERIAL SAFETY DATA SHEETS

R. L. Green
T3F

Attached are Material Safety Data Sheets for each Santotrac. Will you please fill in the appropriate sections and return to me.'

W. B. Papageorge

/bt

Enclosures-4

DSW 174329

231

STLCOPCB4048850

W. B. Papageorge - General Offices, B1ND

April 1, 1974

AROCLOR 1016

P. G. Benignus - B2SC
T. L. Gossage - B2SL
A. J. Koenig - B2SK

Memo, WBP to CP, 3/18/74

Dr. C. Paton
B2SC

While I was on vacation Mr. James Nelson, General Electric, called. He needed the information requested in the referenced memo that day.

Since you were out of the office my secretary obtained the following dates from Art Koenig and transmitted this information to Mr. Nelson by telephone.

1. When Aroclor 1016 was first offered to the industry commercially.

   August 1971

2. When Aroclor 1016 totally replaced Aroclor 1242 as the preferred capacitor fluid.

   September 1971

W. B. Papageorge

/bt

DSW 174330

230

STLCOPCB4048851

April 1, 1974

Ms. Donna DiSpirito
Westinghouse Ocean Research Laboratory
Route 50, Bay Bridge
Box 1771
Annapolis, Maryland 21404

Dear Ms. DiSpirito:

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

Aroclor 1221
1242
1254
} s/n 1819

DSW 174331

229

STLCOPCB4048852

April 1, 1974

Mr. R. A. Kurz
Westinghouse Electric Corporation
469 Sharpsville Avenue
Sharon, Pennsylvania 16146

Dear Mr. Kurz:

I have received your request for a one-quart 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

Arochlor 1254 — S/N 1818

DSW 174332

STLCOPCB4048853

MARCH

DSW 174333

STLCOPCB4048854

March 27, 1974

Mr. J. D. Sbarra
Chemical Coordinator
IBM Corporation
P. O. Box 10
Princeton, New Jersey 08540

Dear Mr. Sbarra:

In response to Mr. Peter A. Cantu's letter of January 14 I have enclosed a Material Safety Data Sheet covering Monsanto's OS-124. This is the form generally accepted by 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

Enclosure

DSW 174334

227

STLCOPCB4048855

W. B. Papageorge - General Offices, B1ND

March 27, 1974

SANTOTRAC - MATERIAL
SAFETY DATA SHEET

Mr. E. P. Wheeler
A2SA

I have received a request to prepare a Material Safety Data Sheet for Santotrac.

Attached is a draft of a data sheet for this product. Will you please fill in the appropriate sections and return to me.

W. B. Papageorge

/bt

Enclosure

DSW 174335

STLCOPCB4048856

March 27, 1974

Mr. Raymond J. Ryan
Saginaw Malleable Iron Plant
Central Foundry Division
77 W. Center Street
Saginaw, Michigan 48605

Dear Mr. Ryan:

In response to your letter of March 18, I have enclosed a Material Safety Data Sheet covering Monsanto's Pydraul® 312C.

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

Sincerely,

W. B. Papageorge
Manager
ProductAcceptability

WBP/bt

Enclosure

DSW 174336

STLCOPCB4048857

March 27, 1974

Mr. G. Nicholas
Safety Department
Chevrolet Motor Division
General Motors Corporation
13000 Eckles Road
Livonia, Michigan 48151

Dear Mr. Nichols:

In response to Mr. G. W. Brown's letter of March 14 addressed to Monsanto's Detroit office, I have enclosed a Material Safety Data Sheet covering Monsanto's Pydraul® 312A. This is the form generally accepted by 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

Enclosure

DSW 174337

STLCOPCB4048858

March 27, 1974

Mr. Charles R. Hinkley
Asst. Corp. Director of Purchasing
Acushnet Company
P. O. Box E916
Bedford, Massachusetts 02742

Dear Mr. Hinkley:

In response to your letter of February 19, 1974 I have enclosed three copies of the Material Safety Data Sheet covering Monsanto's Pydraul® F9A.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures-3

DSW 174338

March 27, 1974

Mr. F. P. Johnson
Corporate Purchasing Manager
Keyes Fibre Company
Waterville, Maine 04901

Dear Mr. Johnson:

In response to your letter of March 5, 1974 I have enclosed a copy of the Material Safety Data Sheet covering Monsanto's Scripset 101.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 174339

232

STLCOPCB4048860

March 27, 1974

Mr. Paul D. Halley
Director, Environmental Health
Services Division of Medical
and Health Services Department
Standard Oil Company (Indiana)
200 East Randolph Drive
Chicago, Illinois 60601

Dear Mr. Halley:

Your letter of March 14 requesting product health, safety and toxicity information relating to Pydraul® 90E and Therminol® 66 has been forwarded to me for response. I have enclosed Material Safety Data Sheets (form No. OSHA-20) covering these two products. This is the form 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

Enclosures-2

DSW 174340

STLCOPCB4048861

March 27, 1974

Mr. James M. Devine
Pesticide and Water Chemistry Section
College of Arts and Science
State University of New York
Oswego, New York 13126

Dear Mr. Devine:

I have received your letter of March 11, 1974 requesting analytical standards of 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 can arrange to have a sample of Aroclor® 1254 forwarded to you. I regret I cannot provide 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 174341

220

STLCOPCB4048862

March 27, 1974

Mr. Robert J. O'Neill
President
O'Neill Brothers Chemical, Inc.
5129 Unruh Street
Philadelphia, Pennsylvania 19135

Dear Mr. O'Neill:

Mr. J. Coleman Weber has informed me of your request for a Material Safety Data Sheet covering Monsanto's ACL-66. I have enclosed a copy of this data sheet.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 174342

STLCOPCB4048863

March 26, 1974

Mr. J. G. Cobak
Group Purchasing Manager
Textileather Division
The General Tire &
Rubber Company
Toledo, Ohio 43696

Dear Mr. Cobak:

As requested in your recent correspondence, I have enclosed a Material Safety Data Sheet covering Monsanto's Santocel 62LV. This is the form generally accepted by 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

Enclosure

DSW 174343

218

STLCOPCB4048864

March 25, 1974

Ms. Christina Hart
Consumer Products
Safety Commission
Suite 1100
3660 Wilshire Boulevard
Los Angeles, California 90010

Dear Ms. Hart:

Enclosed is a copy of Monsanto's Technical Bulletin I-247 covering our Dequest® 2006 that I promised to send.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 174344

217

STLCOPCB4048865

March 25, 1974

Mr. Charlie Neale
Brown & Root
P. O. Box 3
Houston, Texas 77001

Dear Mr. Neale:

Monsanto's Jim Armentor has informed me of your request for a copy of the report of the Interdepartmental Task Force on PCBs "Polychlorinated Biphenyls and the Environment". Enclosed is a copy of this report.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Mr. J. Armentor w/attachment
Houston, Texas

X

DSW 174345

216

STLCOPCB4048866

March 25, 1974

Mr. K. E. Trawick
School of Engineering and
Engineering Experiment Station
Auburn University
Auburn, Alabama

Dear Mr. Trawick:

I have received your letter of March 18 requesting samples of Aroclor® 5442 and Aroclor® 1260 and regret to inform you that, due to environmental considerations, Monsanto has discontinued the manufacture of both these products and our supply of samples has been depleted.

I hope the lack of these materials does not seriously inconvenience you. If I can be of any other service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 174346

STLCOPCB4048867

March 25, 1974

Mr. R. A. Kurz
Westinghouse Electric Corporation
469 Sharpsville Avenue
Sharon, Pennsylvania 16146

Dear Mr. Kurz:

I have received your request for a one-quart sample of Aroclor® 1254. Unfortunately, this request was not signed, therefore, I am returning it to you for signature.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 174347

STLCOPCB4048868

March 22, 1974

Mr. F. D. Lockhart
Purchasing Department
Grumman Aerospace Corporation
Bethpage, New York 11714

Dear Mr. Lockhart:

In response to your letter of February 6 addressed to Mrs. Carol Jordon relating to information on the possible presence of suspected carcinogens in our products, I have the following comments to offer:

Based on current knowledge of our raw materials and our processes, it is our best scientific opinion that the materials listed by the Occupational Safety and Health Administration on page 10929 of the Federal Register, Volume 38, No. 85, dated May 3, 1973 are not present in concentration of 1% or more in the Therminol® 55, Therminol® 66 or Skydrol® which your company purchases from Monsanto. However, you may wish to make your own assessment of our products.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 174348

213

STLCOPCB4048869

March 22, 1974

Ms. Donna DiSpirito
Westinghouse Electric Corporation
Route 50 - Bay Ridge
Annapolis, Maryland 21404

Dear Ms. DiSpirito: (bt carol Jardon COD

I have been informed of your request for standards of Aroclor® 1221, Aroclor® 1232 and Aroclor® 1254. 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 samples of Aroclor® 1221 and Aroclor® 1254 forwarded to you. I regret I cannot supply a sample of Aroclor® 1232 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 174349

312

STLCOPCB4048870

March 22, 1974

Dr. David B. Peakall
College of Arts & Sciences
Division of Biological Sciences
Cornell University
Section of Ecology & Systematics
Building #6, Langmuir Lab
Ithaca, New York 14850

Dear Dr. Peakall:

In response to your letter of March 5, 1974 requesting samples of polychlorinated terphenyls, I regret to inform you that, due to environmental considerations, Monsanto has discontinued the manufacture of these materials 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 174350

211

STLCOPCB4048871

March 22, 1974

Mr. C. F. Noe
Operations and Technical
Fibers Division
Allied Chemical Corporation
Hopewell Chemical Plant
Post Office Box 761
Hopewell, Virginia 23860

Dear Mr. Noe:

In response to your letter of March 4, 1974, I have enclosed a Material Safety Data Sheet covering Monsanto's Cyanuric Acid.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 174351

710

STLCOPCB4048872

March 22, 1974

The University of Mississippi
Office of the Purchasing Agent
University, Mississippi 38677

Re: Inquiry Number R 1984

Gentlemen:

In response to your Request for Quotation dated March 4, 1974 I regret to inform you that, due to environmental considerations, Monsanto has discontinued the manufacture and sale of Aroclor® 1260.

I hope the unavailability 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 174352

STLCOPCB4048873

March 21, 1974

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

Dear Dr. Stalling:

I would appreciate receiving a copy of your Annual Progress Report for 1973.

If there is a charge for this publication please enclose invoice with book and send to my attention.

Thank you for your consideration of this request.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 174353

STLCOPCB4048874

March 20, 1974

Dr. David L. Hopkins
San Diego Gas and Electric Company
101 Ash Street
San Diego, California 92112

Dear Dr. Hopkins:

As you have requested, enclosed is a copy of the NEMA Official Standards Proposal relating to the handling and disposal of askarels containing polychlorinated biphenyls. 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

BB

DSW 174354

STLCOPCB4048875

March 20, 1974

Mr. Bill Elmore
Royal Industries
2040 East Dyer Road
Santa Ana, California 92702

Dear Mr. Elmore:

I have received your request for a one pint sample of Aroclor® 1221 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-1221 -1817

DSW 174355

STLCOPCB4048876

March 20, 1974

Mr. Mryle L. Mintern
Manager of Purchasing
Burton Rubber Processing, Inc.
14330 Kinsman Road
Burton, Ohio 44021

Dear Mr. Mintern:

In response to your letter of January 5 requesting Material Safety Data Sheets for the products your company purchases from Monsanto, I have enclosed a data sheet covering our Lampblack 1.

I have forwarded a copy of your letter to Mr. P. O. DeGarmo who will furnish the requested information on the remaining products.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Mr. P. O. DeGarmo

DSW 174356

STLCOPCB4048877

W. B. Papageorge - General Offices, BlND

March 20, 1974

2 ETHYL HEXYL ACID PHOSPHATE
PRODUCT SPECIFICATION

Memo, WBP to MDC, 3/18/74

Mr. F. B. Clarke
B2SJ

J. DiTomaso - 1410
L. J. Gilbert - 1410
R. A. Herman - B2SJ
N. G. Hobbs - 1410
J. M. Kuenz - 1180
D. Osthuizen - G4NN
H. Teicher - N1A

Attached is a corrected tentative customer product specification for 2 Ethyl Hexyl Acid Phosphate which you may submit to U.O.P. This specification replaces the one sent to you with referenced memo.

W. B. Papageorge

/ot

Attachment

DSW 174357

STLCOPCB4048878

March 19, 1974

Mr. Robert Kurz (ML-17)
Westinghouse Electric Corporation
469 Sharpsville
Sharon, Pennsylvania 16146

Dear Mr. Kurz:

Monsanto's Dr. E. S. Tucker has informed me of your request for a sample of Aroclor® 1254. I have enclosed a Request for Sample Quantity of Product Containing PCBs. If you will complete this request and return it to me, I will arrange 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

cc: Dr. E. S. Tucker

DSW 174358

STLCOPCB4048879

March 19, 1974

Mr. Robert H. McKinney, Jr.
President
Wastex Industries, Inc.
Industrial Valley Bank Building
23 S. Hanover Street
Pottstown, Pennsylvania 19464

Dear Mr. McKinney:

In response to your letter of March 19 addressed to Monsanto's Wilmington, Delaware, location; I have enclosed a copy of Monsanto's methodology for the determination of polychlorinated biphenyls.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 174359

STLCOPCB4048880

March 19, 1974

Dr. B. S. Das
Department of Applied Chemistry
Ontario Research Foundation
Sheridan Park, Mississauga
Ontario, Canada

Dear Dr. Das:

I regret and apologize for the delay in responding to your letter of January 29 in which you requested information relating to waste treatment and disposal practices in the wood preservation industry.

I have searched our files and can find nothing that I believe would be relevant. Since Monsanto is not in the wood preservation industry, we have no unique expertise to share with you.

I hope the lack of specific information does not seriously inconvenience you. If I can be of any other service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 174360

STLCOPCB4048881

W. B. Papageorge - General Offices, B1ND

March 19, 1974 B. G. Tibbetts - B2SE

TAMPAX, INC.

Memo, PLS to WBP, 2/19/74

Mr. P. L. Slayton
1650 - New York

I do not have any data that we can supply to Tampax. Since six weeks has elapsed following the receipt of their latest request, perhaps they have gotten an answer elsewhere. In any event, since we do not intend to sell Penta to Tampax, their question would no longer be relevant.

W. B. Papageorge

/bt

DSW 174361

199

STLCOPCB4048882

W. B. Papageorge - General Offices, B1ND

March 19, 1974

MONOCHLOROBIPHENYL -
EMERGENCY PROCEDURES

A. E. Leisy - 1740
D. L. Melon - 1010
E. M. Potter - B2NK
W. H. Slowikowski - 1010

Dr. C. Paton
B2SC

In response to Dow Chemical's inquiries relating to procedures we have instituted to cover accidents during the transportation of chlorinated biphenyls, I have attached copies of the following:

1. A copy of the label which is affixed to the tank car containing the appropriate environmental and precautionary statements and emergency telephone numbers.

2. A copy of the instructions given to the driver of the tank trucks handling chlorinated biphenyls.

3. A copy of the instructions to our superintendents on duty on nights and weekends.

The above were originally designed for use with PCB products, however, we intend to use them for monochlorobiphenyl also.

W. B. Papageorge

/bt

Attachments

DSW 174362

198

STLCOPCB4048883

W. B. Papageorge - General Offices, B1ND

March 19, 1974

R. A. Pohl - B2SB
J. K. Stephens - B2NK
H. W. Tippee - B2NK

Mr. R. C. Windey
5040 - Brussels

At Jim Stephens suggestion, I have attached information describing the manner in which lot numbers are designated at those plants producing products of interest to you.

The plants and products covered are as follows:

Camden	Lampblack Mould Coat
Everett	Dequest Santocel
Luling, La.	ACL EMA
W. G. Krummrich Plant Sauget, Illinois	ACL

W. B. Papageorge

/bt

Attachments

DSW 174363

147

STLCOPCB4048884

March 19, 1974

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

Dear Lynn:

I tried to get for you the name of the medical director for the Quaker Oats Company and found they do not have one.

A Quaker Oats representative, who did not identify himself, suggested that any medical questions relating to furfural and furfuryl alcohol be directed to the John Stewart Research Laboratories, Barrington, Illinois 60010.

Regards.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 174364

196

STLCOPCB4048885

W. B. Papageorge - General Offices, B1ND

March 19, 1974

C. S. Alack - B2SJ
R. D. McDaniel - B2SJ

AMERICAN CYANAMID - EMA-91

Memo, CSA to WBP, 2/20/74

Mr. R. C. Richardson
1650 - New York

Attached are copies of the analytical methods you requested in your call report dated February 8, 1974. I regret and apologize for the delay. I hope I have not seriously inconvenienced you.

W. B. Papageorge

/bt

Attachments

DSW 174365

IGC

STLCOPCB4048886

W. B. Papageorge - General Offices, B1ND

March 19, 1974

SPECIFICATIONS --
AMMONIUM POLYPHOSPHATE

Mr. R. A. Herman
B2SJ

D. C. Dieterich - 1150
W. H. Duffey - E1SA
J. E. Eldridge - 1150
A. R. Handleman - B2SJ
E. L. Moore - B2SJ
R. F. Neunuebel - E1SD
R. G. Pier - B2SG
R. Rose - N1A
D. L. Sliney - B2SB
W. F. Symes - N1A
H. Teicher - N1A

Attached is your copy of the approved specification for Ammonium Polyphosphate to be purchased to augment our Phos Chek P/30 supply.

W. B. Papageorge

/bt'

Attachment

DSW 174366

STLCOPCB4048887

W. B. Papageorge - General Offices, B1ND

March 18, 1974

SHERWIN-WILLIAMS
EMA-91 SPECIFICATION

Mr. C. S. Alack
B2SJ

D. L. Brooks - 1070
L. E. Frank - 1560
Shengen Hu - N1A
T. G. Iversen - 1650
R. S. Koehne - 1650
G. S. Legendre - 1650
R. D. McDaniel - B2SJ
D. D. Mickelson - 1650
G. D. Nelson - N1A

Sherwin-Williams specification for EMA, their code 47-74-21, dated June 30, 1970, was reviewed by L. E. Frank and, as reported in his memorandum dated February 19, 1974, the characteristics and test methods listed by Sherwin-Williams have not been used to characterize the product shipped.

Since Roy Herman, on September 9, 1970, signed a document guaranteeing that our product will conform to Sherwin-Williams' specifications, I believe we have a commitment which we must honor or renegotiate.

Since Sherwin-Williams has accepted our material in the absence of these tests, it appears that there is some merit in having someone approach Sherwin-Williams to review their current needs.

We should avoid committing ourselves to special testing if at all possible.

W. B. Papageorge

/bt

DSW 174367

STLCOPCB4048888

W. B. Papageorge - General Offices, B1ND

March 18, 1974

EMA-901 TENTATIVE
PRODUCT SPECIFICATIONS

Mr. L. E. Frank
1560 - Luling

C. S. Alack - B2SJ
Shengen Hu - N1A
R. D. McDaniel - B2SJ
D. D. Mickelson - 1560
E. L. Moore - B2SJ
G. D. Nelson - N1A
R. G. Pier - B2SG
W. F. Symes - N1A
S. Vazopolos - N1A

Listed below are tentative product specifications for EMA-901 suggested by Steve Vazopolos.

Appearance	Fine, white, free-flowing powder
Solution Viscosity, cps	110,000 - 150,000
Dichloroethane as Cl^-	2.0% max.
Screen Size, USSS:	
On 14 mesh	0.1% max.
Cum. on 40 mesh	5.0% max.
Total Maleic as Maleic Acid	2.0% max.

Will you please prepare a Tentative Product Specification following the procedure as outlined in MICC Product Acceptability Practice Paper No. 3 using form No. G-2598, Rev. 1/74.

W. B. Papageorge

/bt

DSW 174368

STLCOPCB4048889

W. B. Papageorge - General Offices, B1ND

March 18, 1974

2 ETHYL HEXYL
ACID PHOSPHATE
PRODUCT SPECIFICATION

F. B. Clarke - B2SJ
L. J. Gilbert - 1410
R. A. Herman - B2SJ
N. G. Hobbs - 1410
H. M. Kuenz - 1180
H. Teicher - N1A

Mr. J. DiTommaso
1410 - Everett

Attached is a copy of a tentative product specification for 2 Ethyl Hexyl Acid Phosphate.

Will you please prepare a Tentative Product Specification for this product following the procedure as outlined in MICC Product Acceptability Practice Paper No. 3, using form No. G-2598, Rev. 1/74.

W. B. Papageorge

/bt

Attachment

DSW 174369

STLCOPCB4048890

W. B. Papageorge - General Offices, B1ND

March 18, 1974

2 ETHYL HEXYL ACID PHOSPHATE
PRODUCT SPECIFICATION

J. DiTommaso - 1410
L. J. Gilbert - 1410
R. A. Herman - B2SJ
N. G. Hobbs - 1410
J. M. Kuenz - 1180
H. Teicher - N1A

Mr. F. B. Clarke
B2SJ

Attached is a tentative product specification which you may submit to U.O.P.

W. B. Papageorge

/bt

Attachment

DSW 174370

STLCOPCB4048891

W. B. Papageorge - General Offices, B1ND

March 18, 1974 R. A. Herman - B2SJ

ACL-85 REGULAR
AMERICAN CYANAMID SPECIFICATION

Mr. C. H. Matzek
B2SJ

I have reviewed American Cyanamid's specification 00552 for their Chloreal.

Monsanto's ACL-85 Regular can satisfy Cyanamid's specification.

W. B. Papageorge

/bt

DSW 174371

179

STLCOPCB4048892

W. B. Papageorge - General Offices, BlND

March 18, 1974

PENTA - FOREST
PRODUCTS LABORATORY

Memo, KWE to WBP, 2/11/74

Mr. K. W. Easley
1920

In your memo you indicated we could get toxicity information on Penta from the HEW computer. I am not familiar with this hook-up. How do we proceed to get this information.

W. B. Papageorge

/bt

DSW 174372

STLCOPCB4048893

W. B. Papageorge - General Offices, B1ND

March 18, 1974

P. G. Benignus - B2SC
T. L. Gossage - B2SL

AROCLOR 1016

Dr. C. Paton
B2SC

Mr. James Nelson, General Electric, is preparing a position paper on askarels for one of the trade associations. I believe he said it was for the IEEE. He would like from us the official dates for the following:

1. When Aroclor 1016 was first offered to the industry commercially. aug 71

2. When Aroclor 1016 totally replaced Aroclor 1242 as the preferred capacitor fluid. Sept. 71

Will you please send these dates to:

Mr. James S. Nelson
General Electric Company
One River Road
Schenectady, New York 12345

as soon as possible.

W. B. Papageorge

WBP/bt

DSW 174373

187

STLCOPCB4048894

W. B. Papageorge - General Offices, BlND

March 18, 1974

J. E. Eldridge - 1150
H. Teicher - N1A
W. F. Symes - N1A

LAMPBLACK SPECIFICATIONS

HT to JEE, 6/6/73
HT to JEE, 12/12/73

Mr. D. C. Dieterich
1150 - Camden

Harry Teicher requested in the two referenced memoes that specifications for the lampblacks be reviewed and up-dated as necessary. We are not aware that anything has been done so far in response to these requests.

We still believe that a review of the specifications is necessary. Will you please help.

W. B. Papageorge

/bt

DSW 174374

186

STLCOPCB4048895

W. B. Papageorge - General Offices, B1ND

March 18, 1974

H. S. Bergen - B2SL
T. L. Gossage - B2SL

SANTOBRITE SPECIFICATIONS

Mr. B. G. Tibbetts
B2SE

Recently we discussed the potential problems associated with the low assay which we frequently find in the Sodium Pentachlorophenate purchased from Dow Chemical Company. This condition results in a situation in which we are violating our EPA registration of this product. In other words, we are marketing a product which is not registered. You offered to review this with the proper Dow representatives. What is the status of that discussion?

Incidentally, do you have any documents which specify the quality of the material supplied by Dow?

W. B. Papageorge

/bt

DSW 174375

185

STLCOPCB4048896

March 18, 1974

202-325-0164

Mr. Sam Bryson
Electrical Branch Head, Code 0414
Naval Facilities Engineering Command
200 Stoval Street
Alexandria, Virginia 22332

Dear Mr. Bryson:

Attached are copies of documents describing the conditions under which Monsanto Company will sell askarel fluids.

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

Customer letter effective 1/15/72 - sell to electrical industry only
Attach - PCB - Prevalent & persistent - Guidance
2 copies - Special Undertaking by Purchasers of PCBs

DSW 174376

March 15, 1974

Chemical Information Services
Stanford Research Institute
Menlo Park, California 94025

Attention: Mrs. Betty Johnson
Mr. Rob Buys

In response to your request for publications relating to Monsanto's Aroclor 1260 and Aroclor 1248, I have enclosed a copy of Monsanto's Technical Bulletin O/PL-306A. I wish to inform you, however, that Monsanto no longer manufacturers these two products.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

T

DSW 174377

1012

STLCOPCB4048898

W. B. Papageorge - General Offices, B1ND

March 15, 1974

G. F. Fague - B2SC
R. E. Hatton - B2SC
J. F. Herber - T3G
C. Paton - B2SC
W. R. Richard - T3A
D. E. Roush - B2SC
L. R. Stark - W4A

Dr. G. J. Levinskas
A2SC

Attached is a summary of the results of fish toxicity studies made at the Fish-Pesticide Research Laboratory in Columbia, Missouri on our Pydraul 50E and Pydraul 115E.

I would appreciate your comments after you have evaluated these results. I recommend that someone review this directly with Dr. Johnson at the Laboratory.

W. B. Papageorge

/bt

Attachment

DSW 174378

182

STLCOPCB4048899

W. B. Papageorge - General Offices, BlND

March 15, 1974

BIODEGRADABLE FOAM

Dr. J. O. Harris
1010

Dr. Lynn Willett, Ohio Agricultural Research and Development Center, Wooster, Ohio, has heard that Monsanto's Akron laboratories have developed a biodegradable foam. Dr. Willett is interested in evaluating this material for use as a water protective cover for hay stacks. A copy of a bulletin describing the stacks he is considering is attached.

Can we help Dr. Willett?

W. B. Papageorge

/bt

Enclosure

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

DSW 174379

STLCOPCB4048900

W. B. Papageorge - General Offices, B1ND

March 15, 1974

DR. E. S. TUCKER

H. S. Bergen - B2SL
W. R. Corey - B2SL
T. M. Patrick - T3B
C. W. Roos - B2SA

Dr. R. E. Keller
T1B

During the past four to six weeks many Monsanto employees participated in the preparation of testimony relating to our objections to proposed effluent standards for polychlorinated biphenyls.

In my opinion, of all the individuals involved, Scott Tucker responded with the greatest interest and enthusiasm. His contributions reflected the time and effort he devoted to his assignments. His performance was outstanding, totally professional and appreciated.

W. B. Papageorge

/bt

DSW 174380

STLCOPCB4048901

W. B. Papageorge - General Offices, BlND

March 15, 1974

P. L. WRIGHT

H. S. Bergen
W. R. Corey
G. J. Levinskas
E. P. Wheeler

Dr. R. E. Kelly
A2SA

Recently we completed the preparation of testimony relating to EPA's proposed effluent standard for polychlorinated biphenyls (PCBs)

Many individuals were involved; Paul Wright representing your department. Paul's interest, concern and enthusiasm were reflected in the time and effort he expended in responding to his assignments. His performance was excellent and his contributions were very helpful. I appreciated his assistance.

W. B. Papageorge

/bt

DSW 174381

STLCOPCB4048902

March 14, 1974

Mr. Clifford Gannett
Federal Railway Administration
Department of Transportation
2100 Second Street, S.W.
Washington, D.C. 20590

Re: Environmental Protection Agency
(40 CFR Part 129)
Proposed Toxic Pollutant Effluent Standards
Federal Register, Vol. 38, No. 247,
pages 35388-35395
Thursday, December 27, 1973

Dear Mr. Gannett:

Enclosed is a copy of the comments which we have submitted to the Hearing Clerk, EPA, relating to the proposed PCB effluent standards.

We hope you find this information useful and would appreciate any comments you may have to offer.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 174382

STLCOPCB4048903

March 14, 1974

Mr. Fred Stein
Office of Environmental Affairs
U.S. Department of Commerce
Room 4424
Main Commerce Building
14th Street and
Constitution Avenue N.W.
Washington, D.C. 20230

Re: Environmental Protection Agency
(40 CFR Part 129)
Proposed Toxic Pollutant Effluent Standards
Federal Register, Vol. 38, No. 247,
Pages 35388-35395
Thursday, December 27, 1973

Dear Mr. Stein:

Enclosed is a copy of the comments which we have submitted to the Hearing Clerk, EPA, relating to the proposed PCB effluent standards.

We hope you find this information useful and would appreciate any comments you may have to offer.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 174383

177

STLCOPCB4048904

March 14, 1974

Dr. Sidney R. Galler
Deputy Assistant Secretary
for Environmental Affairs
Office of the Assistant
Secretary of Commerce
U.S. Department of Commerce
Main Commerce Building
14th Street and
Constitution Avenue, N.W.
Washington, D.C. 20230

Re: Environmental Protection Agency
(40 CFR Part 129)
Proposed Toxic Pollutant Effluent Standards
Federal Register, Vol. 38, No. 247,
pages 35388-35395
Thursday, December 27, 1973

Dear Dr. Galler:

Enclosed is a copy of the comments which we have submitted to the Hearing Clerk, EPA, relating to the proposed PCB effluent standards.

We hope you find this information useful and would appreciate any comments you may have to offer.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 174384

STLCOPCB4048905

March 14, 1974

Dr. C. H. Thompson
Office of Air and Water Programs
Environmental Protection Agency
Washington, D.C. 20460

Re: Environmental Protection Agency
(40 CFR Part 129)
Water Program
Proposed Toxic Pollutant Effluent Standards
Federal Register, Vol. 38, No. 247,
pages 35388-35395
Thursday, December 27, 1973

Dear Dr. Thompson:

Enclosed is a copy of the comments which we have submitted to the Hearing Clerk, EPA, relating to the proposed PCB effluent standards.

We hope you find this information useful and would appreciate any comments you may have to offer.

Sincerely,

W. B. Papageorge
Manager,
Product Acceptability

WBP/bt

Enclosure

DSW 174385

17.5

STLCOPCB4048906

March 14, 1974

Dr. Martha Sager
Effluent Standards and Water Quality
Information Advisory Committee
Environmental Protection Agency
Room 821, Crystal Mall, Building 2
Washington, D.C. 20460

Re: Environmental Protection Agency
(40 CFR Part 129)
Water Program
Proposed Toxic Pollutant Effluent Standards
Federal Register, Vol. 38, No. 247,
pages 35388-35395
Thursday, December 27, 1973

Dear Dr. Sager:

Enclosed is a copy of the comments which we have submitted to the Hearing Clerk, EPA, relating to the proposed PCB effluent standards.

We hope you find this information useful and would appreciate any comments you may have to offer.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

DSW 174386

170
STLCOPCB4048907

In Re: PROPOSED TOXIC POLLUTANT
EFFLUENT STANDARDS FOR ALDRIN-
DIELDRIN, ET AL - FWPCA (307) -
DOCKET NO. 1

State of Missouri)
County of St. Louis) ss:

W. B. Papageorge, being first duly sworn says:

My name is W. B. Papageorge and I am Manager, Product Acceptability for the Functional Product Groups, Monsanto Industrial Chemicals Company, an operating unit of Monsanto Company. I am a graduate of Washington University, St. Louis, Missouri with a Bachelor of Science degree in Chemical Engineering and have received a Master of Science degree in Chemical Engineering from the same institute. I am a Registered Professional Engineer in the state of Missouri.

I have been employed by Monsanto Company for approximately 22 years, during which period I have served as an engineer, maintenance superintendent, distribution superintendent, manufacturing superintendent, plant manager and manager of environmental protection. In my present position I am responsible for seeing that the quality of products produced by two business groups in Monsanto Company is properly maintained. One of the business groups within my area of responsibility is the Specialty Products Business Group which manufactures and markets polychlorinated biphenyl (PCB) products for use as dielectric fluids in transformers and capacitors. I am a member, and have served as chairman, of a committee of the National Electrical Manufacturers Association which has reviewed the environmental effects of PCBs and has recommended procedures to users of PCBs which should minimize the possibility of entry of PCBs into the environment.

DSW 174387

STLCOPCB4048908

MONSANTO COMPANY'S POSITION AND RECOMMENDATIONS

As a major producer and supplier of polychlorinated biphenyls (PCBs) to the electrical industry for fire resistant dielectric fluid applications, we have reviewed and evaluated the effluent standards for these materials in proposed Part 129, Subpart I, Chapter I of Title 40, Code of Federal Regulations. Pursuant to this review, we submit the following comments and recommendations:

1. The proposed effluent standards for PCBs are unwarranted and practically and economically unattainable.

2. Actions by Monsanto and its customers, which have resulted in limiting the use of PCBs only to electrical applications in hermetically sealed units, have dramatically reduced the quantities of the more persistent PCBs introduced directly into the environment.

3. The definition of PCBs in Section 129.09a, Subpart I should be changed to read:

> "Polychlorinated biphenyls (PCBs) means materials containing the biphenyl group which is chlorinated and which have been shown to persist and rapidly bioaccumulate in the aquatic environment. These chlorinated biphenyls are identified as those components having gas chromatographic retention times greater than 60, relative to p,p-DDE=100, under the standard conditions recommended in the EPA PCB test method."

4. The accuracy and reproducibility of results attainable between laboratories using currently available sampling and analytical techniques are questionable and further studies are recommended.

5. The proposed PCB effluent standard is based on inadequate toxicity information, on non-typical fish species and on an unusually high and artificial bioaccumulation factor. Fundamental scientifically-based data is lacking and no responsible standards can be developed at this time. We recommend that studies be conducted to obtain the relevant data and that effluent standards be established which are appropriate for the unique conditions existing at each point source.

DSW 174388

STLCOPCB4048909

6. We object to a limitation of 10,000 cubic feet per second being arbitrarily assigned as a maximum stream flow, without a sound technical basis demonstrating adverse effects.

7. The presence of background levels of PCBs at point sources should be considered when determining effluent levels. The following definition of "Background" should be added under Section 129.01a:

> " 'Background' means amounts of toxic pollutant (1) presently found in the waterways of the United States (including the intake waters of a discharger), or (2) arising out of operations subject to this Part that occurred before the effective date of this Part, but were not discharged to the waterways of the United States before the effective date of this Part."

8. Technology for the attainment of the proposed PCB effluent standard has not been demonstrated and is not available to the industry. Unachievement of the strict standard proposed would have the effect of a ban on the use of PCBs with serious economic and social consequences very thoroughly described in an impact statement submitted to the Agency on January 15, 1974, by the General Electric Company.

The chemical structure of polychlorinated biphenyls (PCBs) has been known for nearly 100 years. It was not until the late 1920s that a use for PCBs was found -- as a dielectric fluid in transformers. The properties of PCB -- inertness, fire resistance and a non-conductor of electricity -- are perfectly suited to those electrical applications where high-voltage arcing could occur; possibly resulting in serious fires or damage to the equipment.

Commercial production of PCBs began in 1929. As the unique properties of the material became known, new uses were found. For example, their fire-resistant nature made them excellent choices for use in heat-transfer fluids. Their inertness gave long-lasting qualities to lubricants. Their use in surface coatings improved waterproofing characteristics.

Handling of the product at the manufacturing level has not presented problems as long as the normal industrial hygiene practices were followed and PCBs have always been considered less hazardous than many other chemicals in everyday use.

Therefore, it appeared that PCBs were a unique product which met important needs of industry.

When questions about the effect of PCBs on the environment first surfaced, Monsanto Company reviewed its product line and the applications for these products. As more data were developed concerning the effect of PCBs, Monsanto took steps to reduce the entry of PCB into the environment. The Company stopped the sale of PCBs for use in various applications, except where no acceptable alternatives were available. Today, PCBs manufactured by Monsanto Company are sold only to the electrical industry for use in closed systems as a dielectric fluid in transformers and capacitors — applications for which there exist no acceptable substitutes.

Thus the situation today is drastically different from conditions which existed only three years ago. Today about 40 million pounds per year are being carefully used in the United States by less than 50 Monsanto customers in the manufacture of sealed electrical equipment. Prior to 1971, close to 80 million pounds per year were used by thousands of customers. This lends perspective to the current debate over modest losses of PCBs to waterways.

Our manufacturing and sales reduction program was a unilateral action taken by Monsanto and was based on our evaluation of developing environmental data.

The Interdepartmental Task Force on PCBs in its report (1)* concurs that the safety benefits derived justify the continued use in dielectric applications. Recommendation 6 under Findings, Conclusions and Recommendations reads as follows:

> "6. <u>The use of PCBs should not be banned entirely</u>. Their continued use for transformers and capacitors in the near future is considered necessary because of the significantly increased risk of fire and explosion and the disruption of electrical service which would result from a ban on PCB use. Also, continued use of PCBs in transformers and capacitors presents a minimal risk of environmental contamination. The Monsanto Company, the sole domestic producer, has reported voluntarily eliminating its distribution of PCBs to all except manufacturers of electrical transformers and capacitors."

*Numbers in parentheses refer to reference list attached.

Recognizing the need for proper controls in the handling and use of PCBs, representatives of the transformer and capacitor industries, utilities and governmental agencies under the initial auspices of the National Electrical Manufacturers Association formed American National Standards Institute Committee C-107. Proposed guidelines (30) for the handling and disposal of dielectric fluids have been published. These guidelines reflect the industry's understanding of the need for proper control and have contributed significantly toward achieving this objective.

Proposals for the control of PCBs internationally were considered by the member countries of the Organization for Economic Co-operation and Development (OECD) and in February, 1973, they adopted an agreement (31) which restricts the use of PCBs to dielectric applications, non-food related heat transfer fluid applications and hydraulic fluid applications in mining equipment. This agreement is less restrictive than Monsanto's sales policy since it supports the continued use of PCBs in heat transfer and hydraulic fluids.

We have reviewed with considerable interest the effluent standards proposed for polychlorinated biphenyls in new Part 129, Subpart I, Chapter I of Title 40, Code of Federal Regulations and have objections relating to the following:

1. Definition of polychlorinated biphenyls.

2. Sampling and analytical methods.

3. Toxicity data.

4. Bioaccumulation factors.

5. Safety factors.

6. Stream flow rates.

7. Background levels of polychlorinated biphenyls.

8. Economic considerations.

DEFINITION OF POLYCHLORINATED BIPHENYLS

Commercial polychlorinated biphenyl products, of which Aroclor® products are examples, are produced by direct chlorination of biphenyl; the degree of chlorination being chosen to provide desired properties. These products are in all cases multi-component mixtures and not single entities as implied by the commonly employed acronym "PCBs".

DSW 174391

STLCOPCB4048912

While it is well understood and accepted that polychlorinated biphenyl isomers have a unique set of physical and chemical properties, it is apparently not understood that they bioaccumulate, dissipate and biodegrade at different rates.

This lack of understanding is reflected in the definition proposed in the EPA Toxic Pollutant Effluent Standards (Federal Register, Vol. 38, No. 247, page 35393, Section 129.09a) and we quote:

> "As used in this Subpart, the term: Polychlorinated biphenyls (PCB's) means materials containing the biphenyl group which have been chlorinated to varying degrees. There are 210 possible different PCB compounds."

We object to this definition because it implies that all polychlorinated biphenyl isomers are of equal environmental concern, i.e., that they all persist and bioaccumulate in the same manner in our environment. It has been well established by academic, government, and industrial researchers that this is simply not true. Environmental monitoring programs have clearly demonstrated that, with the exception of direct high-level controllable release near points of manufacture or use, the PCBs found in our environment are the more highly chlorinated ones, i.e., those containing predominantly five or more chlorine atoms per biphenyl molecule (2 thru 13).

This is true even though the lower polychlorinated biphenyls have constituted more than 65% of all the PCBs manufactured over the years. This is strong evidence that the lower polychlorinated biphenyls degrade rapidly. It further demonstrates that even under conditions of unlimited use, and without special precautions to avoid release into our environment (which is not the case now), that the lower polychlorinated biphenyls degrade rapidly enough to prevent bioaccumulation (4, 5, 6, 27, 28).

More recently, it has also been demonstrated in laboratory experiments that chlorinated biphenyl isomers, readily undergo bacterial degradation at rates dependent upon the number of chlorines per biphenyl molecule (17, 18, 19, 20, 21 and 37). There are also good indications that ambient environmental PCB levels are decreasing at rates more rapidly than predicted (14, 15, 16).

The rapid metabolism of these chlorinated isomers and their lack of importance as contributors to the chlorinated biphenyl tissue burdens is evidenced in the results of numerous studies. Risebrough (2) reported that the chlorine composition of the PCBs detected in Atlantic Ocean zooplankton was approximately 54%. He concluded "U.S. production of Aroclor 1254 in 1970 amounted to 12 million pounds -- only one qaarter

of the production of 49 million pounds of Aroclor 1242. It might be expected therefore that biphenyls with fewer chlorine atoms would predominate in planktonic samples unless these compounds were selectively degraded." Similar findings in fresh water and marine fishes were reported by Zitko (3) and Jensen, et al., (4). The disappearance of the lower chlorinated homologs in extracts of tissues from birds (5, 34) and mammals (6, 33) indicate rapid metabolism or excretion of the lower chlorinated homologs. As a result of the metabolism and/or excretion of the chlorinated biphenyls containing less than five chlorine atoms per molecule, their contribution to the effluent should not be used in measuring polychlorinated biphenyl effluent from a facility.

On the basis of these data it is unrealistic to consider all polychlorinated biphenyls equivalent in terms of persistence and bioaccumulation as does the proposed regulation. Therefore, for environmental purposes, the definition of PCBs should focus upon those which are of concern and we recommend that the following definition be substituted for that proposed in Section 129.09a, Subpart I, Title 40, Code of Federal Regulations:

> "Polychlorinated biphenyls (PCBs) means materials containing the biphenyl group which is chlorinated and which have been shown to persist and rapidly bioaccumulate in the aquatic environment. These chlorinated biphenyls are identified as those components having gas chromatographic retention times greater than 60, relative to p,p-DDE = 100, under the standard conditions recommended in the EPA PCB test method."

ANALYTICAL METHODOLOGY

We have no reason to doubt that the recommended EPA PCB test method is capable of detecting parts per trillion (ppt) levels of PCBs in waste waters. However, our experience with analyzing industrial waste waters for PCBs at the parts per billion (ppb) level prompts us to be concerned about the following areas, some of which are not covered adequately in the test procedure.

1. Sampling Procedures

2. Correction for Laboratory and Reagent Background

3. Correction for Non-PCB Sample Interferences

4. Absolute Verification

DSW 174393

STLCOPCB4048914

5. Physical State of PCBs (Adsorbed/Dissolved)

6. Quantitation

7. Precision and Accuracy

Our concern lies in the fact that any method, especially one as complex as a PCB analytical method, which is to be used for effluent control purposes must be thoroughly evaluated and its accuracy and reproducibility proven. If this is not done, the effectiveness of any effluent limit, no matter what the level, will prove to be difficult, if not impossible to determine.

For example, we have found that if waste water streams are not sampled properly, the PCB levels found depend on the sampling procedure employed and bear no relationship to the amount of PCBs discharged. For this reason, sampling procedures used must be designed for the discharge in question and clearly stated. To our knowledge, this has not been done.

We also note that no provisions are recommended for correcting the apparent PCB level found in a sample for laboratory and reagent background. It is our experience that as one approaches the ppt level, this background can significantly affect the observed PCB level.

With regard to correction for non-PCB sample interferences, we feel that, while the procedure notes many of the possible interferences, it does not really address itself to those which are more likely to be in industrial waste water streams. For this reason, if the electron capture chromatogram does not match the PCB being manufactured or used, complete absolute verification of all components counted as PCB must be validated via an alternate technique such as gas chromatography/mass spectrometry.

We also note that the recommended EPA PCB test method does not specify a means of differentiating between dissolved and adsorbed PCBs. We believe this should be done since there is a definite difference in the toxicity and availability for bioaccumulation of dissolved and adsorbed chlorinated hydrocarbons (24, 35, 36).

While the scheme proposed for estimation (quantitation) of PCBs is logical, it suffers from the same shortcoming as do the multitude of other procedures which have been proposed. It is an empirical estimate and only a reflection of the real PCB level. Therefore, it should be determined via an alternate, more-elaborate procedure how closely the calculated PCB levels (for each of the cases) are to the real PCB levels so that they may be corrected.

DSW 174394
STLCOPCB4048915

Last, but not least, the precision and accuracy of any procedure proposed as a standard method should undergo a thorough inter-laboratory evaluation. If this has not already been done, it must be carried out prior to the use of the procedure for enforcement purposes. The accuracy and precision of the Monsanto PCB procedure has been subjected to a preliminary evaluation. Prior to this evaluation, we probably would have overestimated the precision and accuracy of our procedure. The exact details of the evaluation are available.

Briefly, samples were prepared by spiking distilled water with 500 ppb PCBs. Individual preparations include blanks (no PCBs), Aroclor® 1242 only, Aroclor® 1254 only, Aroclor® 1260 only, all 50-50 two-component mixtures, and a 1/3, 1/3, 1/3 preparation containing all three components. Six samples of each mixture were prepared and analyzed by two experienced analytical laboratories.

Each result, expressed in ppb of the individual Aroclor®, was converted to percent of the total added. Analysis of variance was run on all data taken together and on each laboratory independently.

- The 95% confidence limits observed for individual results were:

Either Lab	87.5 ± 55.2%
Lab A	81.3 ± 46.4%
Lab B	93.7 ± 19.2%

- The repeatability for the individual labs, based on repeat tests of samples having identical prepared compositions was:

Lab A	± 42.0%
Lab B	± 11.6%

We feel that these results demonstrate the importance of evaluating the precision of any PCB procedure. Note that the test did not include sampling problems, used distilled water free of interferences, and was carried out at a relatively high PCB level (500 ppb; 500,000 ppt) by two experienced laboratories. It is expected that, if sampling problems were involved, and the level of PCB present was extremely low, the accuracy and precision of any PCB method would decrease considerably.

DSW 174395

STLCOPCB4048916

BACKGROUND FOR PROPOSED EPA EFFLUENT STANDARD

In the establishment of the proposed effluent standard the primary basis for toxicological consideration came from the Water Quality Criteria, October, 1973, (Federal Register, Vol. 38, pages 29646 et seq., Friday, October 26, 1973). These criteria were, in turn, based on Water Quality Criteria, 1972, by the National Academy of Sciences and the National Academy of Engineering.

The Water Quality Criteria, October, 1973, have not undergone the normal review, criticism, comment and revision before final adoption. We object to the use of challengeable portions of a proposed publication in the development of critical effluent standards.

We note in Water Quality Criteria, 1972, in those sections pertaining to polychlorinated biphenyls, the frequent use of unpublished data and the disturbing use of qualifying phrases such as "...may adversely affect...", "...apparently related...", or "...the work...suggest..." In our opinion, none of the discussions present adequate data to support establishment of responsible effluent standards for PCBs.

On page 5 of Water Quality Criteria, 1972, the Committee emphasized the importance in understanding that there is a distinction between criteria and standards and that the words were not interchangeable nor or they synonyms for words such as objectives or goals. The report further states that it is necessary to establish scientifically-based recommendations for each assignable water use, implying availability of practical methods of detecting and measuring which can be applied to monitoring. Once these fundamentals are available, political, social and economical factors enter into the decision-making process to establish standards. In our opinion, these procedural steps were not followed in arriving at the proposed effluent standards for PCBs.

The maximum acceptable concentration in fresh water that would be permitted by the proposed standard is 0.002 mg/l. The rationale described in the Statement of Basis and Purpose, Toxic Pollutant Effluent Standards is based on results of a preliminary study which have suggested (not yet proven) a threshold PCB level for salmon egg mortality. We cannot accept the selection of salmon as representing organisms which are usual or may potentially be present in water systems near facilities described in Section 129.09, Code of Federal Regulations.

The cumulative sales of PCBs in the United States since 1930 has been estimated to be about 500,000 tons and that total world production was probably 1,000,000 tons (1). About one-half of the PCBs were used in applications where containment was difficult and losses into the environment were common. With this amount of material discharged into the environment, it is of considerable importance to note that extensive harm predicted by some theories has not been found and documented.

This lack of evidence indicates that all of the PCBs do not persist in the environment as a result of factors such as the biodegration we have discussed previously. Also, the PCBs that do persist may not be available because of some factors not clearly understood at present. One characteristic which undoubtedly is of significant importance is the ability of PCBs to adsorb tenaciously to particulate matter. Under these conditions, can PCBs be rightfully considered to be environmentally active and, if so, to what degree? There exists at present a critical need for data relating to partition coefficients between water and sediments and diffusion coefficients in sediment (1, 22, 39, 40).

Although many reports have been published on the subject of polychlorinated biphenyls and living organisms, the majority of these describe the presence of PCBs in the environment. Presence should not be assumed to imply adverse effect. To our knowledge, no published report exists which conclusively relates the mortality of any wildlife species to the presence of PCBs. The only reported mortalities are those achieved in laboratory studies. Not enough is known about the fate and effect of PCBs in the natural and diverse aquatic and marine environments to properly design laboratory studies. Results from such studies are not extrapolatable to the natural situations and any conclusions derived from such studies must still be considered speculative. Fundamental scientifically-based data is lacking and, in its absence, the establishment of effluent standards for polychlorinated biphenyls cannot be made intelligently and responsibly.

In the establishment of the PCB effluent standard for freshwater systems a bioaccumulation factor of 200,000 was selected. This factor has no extrapolatable relationship to either the residues of PCB in salmon eggs or to PCB residues of fresh water forage fish. The only published report (27) of an accumulation factor of the magnitude selected was that for the hepatopancreas of the pink shrimp, Panaeus durarum. Even though an accumulation of 204,000 in the hepatopancreas has occurred, a nearly complete elimination of PCB from that tissue was achieved when the shrimp were placed in water free of added PCB. The equilibrium whole body accumulation plateau indicated an approximate accumulation factor of 22,000. These results are in agreement with those reported by Stallings and Mayer (29), and with the studies of Ryther (28), Greichus et al (24) and Crump-Weisner, et al (22) showing equilibrium biomagnification factors between water and fish ranging between 1,000 and 75,000 depending on the presence and absence of sediment and the specific PCB mixture present. These data would support the selection of a factor considerably lower than the factors which were applied.

Arbitrary safety factors were applied to the tolerable chronic limit to establish the so-called "critical chronic limit" which was then used to compute the maximum allowable effluent. These safety factors were proposed to account for a multitude of variables, including non-point sources, multiple discharges and industrial growth. The safety factors proposed were identical for 7 of the 9 materials for which effluent standards were prepared. These safety factors, resulting in approximately two-fold reductions, are so small as to be of no beneficial toxicological consequence. We recommend that no safety factor be applied.

In establishing the effluent standards, an attempt was made to distinguish between types of receiving waters by classifying them as streams, lakes and impoundments, estuaries and coastal waters. We do not believe this attempt to distinguish water bodies is by any measure adequate. Water bodies are universally known to be complex systems with no two systems alike. With a complex material such as polychlorinated biphenyls, the determination of possible adverse effects in each water body becomes exceedingly difficult. The uniqueness of each water system at each point source must be considered.

A key parameter used to further describe the water body is the flow rate which was limited to the probable low rate of stream flow occurring during a seven-consecutive-day period once in ten years. We do not agree that this is realistic or appropriate. In our opinion, appropriate control is achieved using average stream flow rates.

Further, the maximum flow rate that can be used in calculating the daily discharge permitted has been arbitrarily set at 10,000 cubic feet per second. This limit is based on a nondegradation philosophy which tolerates limited diffusion and on a desire to discourage industry from locating facilities on large main inland waters and coastlines. This limitation deprives our society of the judicious use of an important great natural resource. Discharge limitations should be based on the effects a material will have on a water system, giving consideration to its size and flow rate. For PCBs, proper control will not occur by imposing maximum flow rate conditions, but by applying results from scientific studies which properly define how each water system responds to the presence of PCBs.

RESIDUAL POLYCHLORINATED BIPHENYLS

Because of their chemical and physical properties, PCBs can be found in soils and waters at point sources long after a discharge has occurred. This source of PCBs to the environment will diminish with time but its presence will distort and mask results from current control activities. To maintain control of losses, emphasis should be directed toward discharges resulting from current and future uses of PCBs.

Since this problem of background levels occurs with all materials in varying degrees, we propose the following revisions:

From Section 129.01c(b), delete the words "in intake waters for a discharger".

Add an additional definition in Section 129.01a:

" 'Background' means amounts of toxic pollutant (1) presently found in the waterways of the United States (including the intake waters of a discharger), or (2) arising out of operations subject to this Part that occurred before the effective date of this Part, but were not discharged to the waterways of the United States before the effective date of this Part."

ECONOMIC CONSIDERATIONS

At our PCB manufacturing facility, we developed and instituted an aggressive control program which we described before the Effluent Standards and Water Quality Information Advisory Committee, EPA (41). Yet, in spite ofaall our efforts, we cannot today meet the proposed effluent standard.

In response (42) to an inquiry from the U.S. Department of Commerce, we emphasized that technology has not been developed to the point that facilities could be designed to meet a reasonable standard. However, analytical techniques suggest a conceptual design using adsorption, settling and filtration of aqueous waste, followed by incineration of the adsorbent, probably carbon. We estimate the capital cost of such a facility, sized to handle our plant waste, at $600,000, not including a dedicated incinerator for the disposal of the adsorbent material. Annual operating cost would approximate $150,000.

The value of Monsanto's annual PCB production is about $8 million, while the value of the electrical devices made therefrom is an order of magnitude larger. If Monsanto were to cease production of PCBs, the jobs of 55 employees would be eliminated directly, while those of an additional 47 employees in a supporting facility would be in jeopardy. The total payroll involved is on the order of $1.5 million.

The impact of a PCB ban on our customers can best be described by them. However, it is apparent that capacitors or transformers made without PCBs will be less fire-resistant than present products, thus leading to an undeterminable incidence of fires, higher insurance rates, and additional protection facilities. In the case of capacitors, the replacements are likely to be larger and less efficient, thus consuming more of the resources required in their manufacture. A more complete

DSW 174399
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analysis of the consequences of a PCB ban was developed by the General Electric Company and addressed to Dr. Martha Sager, Chairman, Effluent Standards and Water Quality Advisory Committee, EPA (43). We concur with the General Electric Company's conclusions.

Our purpose in commenting on the proposed standards is to aid the Agency in the development of realistic effluent standards which will achieve the intended objectives without serious technical, social and economic disruptions. We recognize the seriousness of this endeavor and find a statement made by Mr. John R. Quarles, Jr., Deputy Administrator, Environmental Protection Agency, of considerable interest. At a recent conference, Mr. Quarles (26) stated:

> "We have found it virtually impossible to devise intelligant standards which specify an appropriate degree of control over toxic pollutants irrespective of the sources of those pollutants and factors affecting the feasibility and timing of their abatement."

The difficulties which could be anticipated in establishing effluent standards were recognized by the National Academy of Science in its preparation of Water Quality Criteria, 1972. In a review which appeared in the Environmental Reporter (38) dated August 24, 1973, the following pertinent statements highlight some of the areas of concern:

> "Knowledge of local environmental conditions is essential prior to application of any water quality recommendations for marine aquatic life and wildlife..."
>
> "NAS said application of recommendations to a local situation is unique because it requires an understanding of the circulation of water and the resultant mixing and dilution of pollutants, a knowledge of biological species and determination of the most sensitive species, and an evaluation of the transport of materials through the food web."
>
> "NAS said it is not practical to make recommendations for the relatively persistent organic pollutant based on water concentration, especially when partition coefficients are unknown."

DSW 174400
STLCOPCB4048921

We can appreciate Mr. Quarles' concern, particularly as it applies to PCBs. Lacking good scientific information on the fate and effects of PCBs in complex water systems each having unique characteristics, we urge extreme care be taken to avoid the promulgation of effluent standards which are unattainable and unwarranted.

_____

W. B. Papageorge

Subscribed and sworn to before me this _____ day of _____ 1974.

_____

Notary Public

My Commission expires _____

DSW 174401

STLCOPCB4048922

W. B. Papageorge - General Offices, B1ND

March 12, 1974

H. S. Bergen - B2SL
W. R. Corey - B2SL
K. W. Easley - 1920
T. L. Gossage - B2SL
J. R. Savage - B2SL

Mr. A. J. Koenig
B2SK

Attached are forms from OECD which we just received. We are requested to complete these forms and submit them to the U.S. representative in time for him to forward these to OECD by March 25.

Will you please provide the appropriate information and return to me as soon as possible.

W. B. Papageorge

/bt

Attachment

DSW 174402

172

STLCOPCB4048923

W. B. Papageorge - General Offices, BlND

March 12, 1974

FIELD SALES PERSONNEL

Mr. J. S. Metcalf
BlNC

Attached are lists of field sales personnel for Specialty Products and Special Chemical Systems.

W. B. Papageorge

/bt

Attachments-2

DSW 174403

171

STLCOPCB4048924

March 11, 1974

Mr. Nick E. Fowler
Box 533
Missouri City, Texas 77459

Dear Mr. Fowler:

Your letter requesting information on the properties of askarels and procedures for inspection and maintenance was forwarded to me for response.

I have enclosed a new brochure which I believe you will find helpful. If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 174404

170

STLCOPCB4048925

W. B. Papageorge - General Offices, B1ND

March 11, 1974

C. W. Cook - B2SJ
R. D. McDaniel - B2SJ
P. L. Wright - A2SC

FOOD CHEMICAL SPECIFICATIONS
SANTOCELS

Dr. H. Teicher
N1A

Attached is a copy of a specification for Silicon Dioxide, Amorphous which will be reviewed at the June 1974 meeting of the Joint Expert FAO/WHO Committee on Food Additives.

Will you please review as this might apply to our Santocels. If we have comments we wish to offer for consideration we should submit them to Paul Wright before March 18.

W. B. Papageorge

/bt

Attachment

DSW 174405

169

STLCOPCB4048926

March 6, 1974

Mr. Don T. Lynch, Jr.
Technical Director
Polyguard Pipeline Products, Inc.
P. O. Box 37
Pryor, Oklahoma 74361

Dear Mr. Lynch:

I have received your letter of February 21 requesting a one-gallon sample of Aroclor® 5460. I 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.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 174406

STLCOPCB4048927

March 6, 1974

Mrs. V. Christodorova
Academy of Agricultural Sciences-Bulgaria
Veterinary Institute of Infectious
and Parasitic Diseases
Boul. P. Slavejkov 15-a
Sofia-6, Bulgaria

Dear Mrs. Christodorova:

Your recent letter addressed to Monsanto's Akron, Ohio location requesting samples of Aroclor® 1242, Aroclor® 1254 and Aroclor® 1262 has been forwarded to me for response.

I am forwarding to you, under separate cover, samples of Aroclor® 1242 and Aroclor® 1254. I regret I cannot supply a sample of Aroclor® 1262 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-1242 } S/N 816
A-1254 }

DSW 174407

STLCOPCB4048928

March 6, 1974

Mr. Howard Dowell
Lien Chemical Company
9229 W. Grand Avenue
Franklin Park, Illinois 60131

Dear Mr. Dowell:

As you have requested, enclosed is a Product Specification sheet covering Monsanto's Santocel C. I apologize for the delay in forwarding this to you.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 174408

STLCOPCB4048929

March 6, 1974

Mr. J. E. Dunwoody
Division C
IIT Research Institute
10 West 35th Street
Chicago, Illinois 60616

Dear Mr. Dunwoody:

As you have requested, enclosed is a copy of Monsanto's methodology for the determination of polychlorinated biphenyls.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure-1

DSW 174409

STLCOPCB4048930

W. B. Papageorge - General Offices, BlND

March 6, 1974

CUSTOMER PROBLEM REPORT

Memo, DDM to WBP, 3/4/74

Mr. D. D. Mickelson
1560

As requested in the referenced memo, enclosed is a supply of the new form No. IN-52 "Customer Problem Report". This form replaces the two forms previously used -- "Initial Exception Report" (form No. IN-51, 5/69) and "Plant Exception Report", (form No. IN-52, 5/69)

Additional copies of this form can be ordered from Office Supplies Department.

W. B. Papageorge

/bt

Enclosure

DSW 174410

STLCOPCB4048931

W. B. Papageorge - General Offices, B1ND

March 5, 1974

E. L. Moore - B2SJ
R. A. Pohl - B2SB
J. R. Savage - B2SL

Messrs.

J. T. Bell - 1060
J. DiTommaso - 1410
O. E. Dolin - 1670
J. E. Eldridge - 1150
L. E. Frank - 1560
R. A. Geisman - 1760
H. J. Horner - 1740
J. S. Laws - 1100
T. G. Lyons - 1890
E. C. Moredock - 1720

Attached is a new form to be used with Product Acceptability Practices Paper No. 5, "Certificates of Quality", dated December 27, 1973.

Additional copies may be ordered from Office Supplies, form No. G-272.

W. B. Papageorge

/bt

Attachment

DSW 174411

STLCOPCB4048932

W. B. Papageorge - General Offices, B1ND

March 5, 1974

Messrs.

C. S. Alack	- B2SJ
R. S.Baker	- B2SB
F. B. Clarke	- B2SJ
C. W. Cook	- B2SJ
A. R. Handleman	- B2SJ
R. A. Herman	- B2SJ
R. D. Hogue	- N1A
J. C. Larkin	- B2SG
M. L. Losee	- N1A
C. H. Matzek	- B2SJ
R. D. McDaniel	- B2SJ
E. L. Moore	- B2SJ
G. D. Nelson	- N1A
R. G. Pier	- B2SG
R. A. Pohl	- B2SB
D. L. Sliney	- B2SB
J. K. Stephens	- B2NK
W. F. Symes	- N1A
H. Teicher	- N1A
S. L. Vazopolos	- N1A

Attached is a new form to be used with Product Acceptability Practices Paper No. 5, "Certificates of Quality", dated December 27, 1973.

Additional copies may be ordered from Office Supplies, form No. G-272.

W. B. Papageorge

/bt

Attachment

DSW 174412

STLCOPCB4048933

W. B. Papageorge - General Offices, B1ND

March 5, 1974

Messrs.

P. G. Benignus	- B2SC
H. S. Bergen	- B2SL
D. R. Dill	- Q2C
G. F. Fague	- B2SC
M. E. Gibbs	- W1A
T. L. Gossage	- B2SL
J. F. Herber	- T3G
J. A. Horner	- B2SE
M. V. Merchant	- Q2C
D. R. Miller	- T3F
R. H. Munch	- T1B
C. Paton	- B2SC
J. P. Petrovich	- Q1E
E. M. Potter	- B2NK
L. D. Press	- B2SD
W. R. Richard	- T3A
J. R. Savage	- B2SL
L. R. Stark	- W4A
D. W. Stegen	- B2SE
F. G. Sutton	- B2SD
Q. R. Thompson	- T3E
B. G. Tibbetts	- B2SE
R. S. Trump	- B2SE

Attached is a new form to be used with Product Acceptability Practices Paper No. 5, "Certificates of Quality", dated December 27, 1973.

Additional copies may be ordered from Office Supplies, form No. G-272.

W. B. Papageorge

/bt

Attachment

DSW 174413

STLCOPCB4048934

March 5, 1974

714-540-3210
ext. 459

Mr. Bill Elmore
Royal Industries
2040 East Dyer Road
Santa Anna, California 92702

Dear Mr. Elmore:

Enclosed is a Request for Sample Quantity of Product Containing Polychlorinated Biphenyls which I offered to send you. If you will return the completed form to me, I will arrange 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 174414

STLCOPCB4048935

March 5, 1974

Mr. J. D. Tallant
Purchasing Agent
Executive Office
Fabrics America Corporation
Post Office Box 1726
170 Boulevard, S.E.
Atlanta, Georgia 30301

Dear Mr. Tallant:

In response to your letter of February 7 requesting information on the possible presence of suspected carcinogens in our products, I have the following comments to offer:

Based on current knowledge of our raw materials and our processes, it is our best scientific opinion that the materials listed by the Occupational Safety and Health Administration on page 10929 of the Federal Register, Volume 38, No. 85, dated May 3, 1973 are not present in concentrations of 1% or more in the Monflex 4500 which your company purchases from Monsanto. However, you may wish to make your own assessment of our products.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

bcc: F. G. Sutton - B2SD

DSW 174415

STLCOPCB4048936

March 4, 1974

Mr. Russell B. Naber
Worcester Polytechnic Institute
Box 1546
Worchester, Massachusetts 01609

Dear Mr. Naber:

In response to your letter requesting information relating to polychlorinated biphenyls, I have enclosed a copy of Monsanto Technical Bulletin O/PL-306A and a copy of an excerpt from the ENCYCLOPEDIA OF CHEMICAL TECHNOLOGY, "Chlorinated Biphenyl and Related Compounds".

Because of environmental considerations, Monsanto has discontinued the manufacture of many of its Aroclor® products; including Aroclor® 1248. The Aroclors® currently manufactured by Monsanto are Aroclor® 1221, Aroclor® 1242 and Aroclor® 1254.

I hope you find the enclosed 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-2

E+T

DSW 174416

154

STLCOPCB4048937

W. B. Papageorge - General Offices, B1ND

March 4, 1974

TOXICITY STUDIES
CYANURATES

R. A. Herman - B2SJ
G. J. Levinskas - A2SC
C. H. Matzek - B2SJ
G. D. Nelson - N1A

Mr. P. L. Wright
A2SC

Attached are copies of test results relating to cyanurates which Don MacKellar, FMC, sent.

I do not know if this information was available to us previously.

Will you contact Mr. John Wedig at Olin to obtain his permission to use Olin information freely.

W. B. Papageorge

/bt

Attachment

DSW 174417

152

STLCOPCB4048938

W. B. Papageorge - General Offices, B1ND

March 4, 1974

PCB BIODEGRADATION

H. S. Bergen - B2SL
W. H. Duffey - E1SA
J. T. Garrett - A2SA
R. E. Keller - T1B
W. R. Richard - T3A
E. P. Wheeler - A2SA

Dr. E. S. Tucker
T3F

Enclosed is a copy of a recently issued patent describing a process for degrading polychlorinated biphenyls by using specific strains of bacteria. I am interested in your evaluation of the proposed process.

W. B. Papageorge

/bt

Enclosure

DSW 174418

152

STLCOPCB4048939

W. B. Papageorge - General Offices, B1ND

March 4, 1974

DR. G. FRED LEE

P. O. DeGarmo - B3NJ
I. D. Hill - N1A
D. B. Hosmer - E1SF
C. W. Roos - B2SA
J. C. Weber - B3SC

Mr. J. S. Metcalf
B1NC

Attached is a recent letter from Dr. Lee announcing his new affiliation with the University of Texas-Dallas and again suggesting Monsanto establish a $2500 grant for Dr. Lee's personal use. I do not recommend we get involved with any funding which is not specifically committed and controlled.

W. B. Papageorge

/bt

Attachment

DSW 174419

STLCOPCB4048940

W. B. Papageorge - General Offices, B1ND

March 4, 1974

Messrs.

P. O. DeGarmo - B3NJ
J. S. Metcalf - B1NC
R. C. E. Sprague - B2NG
J. C. Weber - B3SC

Attached is a new form to be used with Product Acceptability Practices Paper No. 6 dated January 25, 1974.

Additional copies may be ordered from Office Supplies.

W. B. Papageorge

/bt

Attachment

DSW 174420

STLCOPCB4048941

W. B. Papageorge - General Offices, B1ND

March 4, 1974

Messrs.

C. S. Alack	- B2SJ
R. S. Baker	- B2SB
F. B. Clarke	- B2SJ
C. W. Cook	- B2SJ
A. R. Handleman	- B2SJ
R. A. Herman	- B2SJ
R. D. Hogue	- N1A
J. C. Larkin	- B2SG
M. L. Losee	- N1A
C. H. Matzek	- B2SJ
R. D. McDaniel	- B2SJ
E. L. Moore	- B2SJ
G. D. Nelson	- N1A
R. G. Pier	- B2SG
R. A. Pohl	- B2SB
D. L. Sliney	- B2SB
J. K. Stephens	- B2NK
W. F. Symes	- N1A
H. Teicher	- N1A
S. L. Vazopolos	- N1A

Attached is a new form to be used with Product Acceptability Practices Paper No. 6 dated January 25, 1974.

Additional copies may be ordered from Office Supplies.

W. B. Papageorge

/bt

Attachment

DSW 174421

149

STLCOPCB4048942

W. B. Papageorge - General Offices, B1ND

March 4, 1974

E. L. Moore - B2SJ
R. A. Pohl - B2SB
J. R. Savage - B2SL

Messrs.

J. T. Bell - 1060
J. DiTommaso - 1410
O. E. Dolin - 1670
J. E. Eldridge - 1150
L. E. Frank - 1560
R. A. Geisman - 1760
H. J. Horner - 1740
J. S. Laws - 1100
T. G. Lyons - 1890
E. C. Moredock - 1720

Attached is a new form to be used with Product Acceptability Practices Paper No. 6 dated January 25, 1974

Additional copies may be ordered from Office Supplies.

W. B. Papageorge

/bt

Attachment

DSW 174422

1-4-8

STLCOPCB4048943

W. B. Papageorge - General Offices, B1ND

March 4, 1974

Messrs.

P. G. Benignus	- B2SC
H. S. Bergen	- B2SL
D. R. Dill	- Q2C
G. F. Fague	- B2SC
M. E. Gibbs	- W1A
T. L. Gossage	- B2SL
J. F. Herber	- T3G
J. A. Horner	- B2SE
M. V. Merchant	- Q2C
D. R. Miller	- T3F
R. H. Munch	- T1B
C. Paton	- B2SC
J. P. Petrovoch	- Q1E
E. M. Potter	- B2NK
L. D. Press	- B2SD
W. R. Richard	- T3A
J. R. Savage	- B2SL
L. R. Stark	- W4A
D. W. Stegen	- B2SE
F. G. Sutton	- B2SD
Q. R. Thompson	- T3E
B. G. Tibbetts	- B2SE
R. S. Trump	- B2SE

Attached is a new form to be used with Product Acceptability Practices Paper No. 6 dated January 25, 1974.

Additional copies may be ordered from Office Supplies.

W. B. Papageorge

/bt

Attachment

DSW 174423

147

STLCOPCB4048944

W. B. Papageorge - General Offices, B1ND

March 4, 1974

MONSIZE SALES BROCHURE

T. H. Bottini - B2CA
R. N. Perotti - E1NE
E. P. Wheeler - A2SA

Mr. W. D. Lubic
B1NB

The sales brochure dated February 25, 1974 entitled "MONSIZE®, New High Efficiency Liquid Size" has my approval.

W. B. Papageorge

/bt

DSW 174424

STLCOPCB4048945

W. B. Papageorge - General Offices, B1ND

March 1, 1974

PCB EFFLUENT STANDARDS

Messrs.

D. B. Hosmer - E1SF
J. R. Savage - B2SL
E. S. Tucker - T3F
P. L. Wright - A2SC

H. S. Bergen - B2SL
W. R. Corey - B2SL
K. W. Easley - 1920
R. E. Keller - T1B
P. S. Park - A3SA
J. F. Stapleton - B2SA
E. P. Wheeler - A2SA

As you know, we must submit written testimony relating to PCB effluent standards by March 15. In order to meet this date I believe we must adhere to the following schedule.

March 7	All material proposed for inclusion in testimony be submitted to W. B. Papageorge.
March 8	Assemble first draft. Arrange for reproduction of attachments (literature, etc.).
March 11 & 12	Obtain approvals. Revise as required.
March 13 & 14	Typing, copying, collating, etc. (initially over 50 copies).
March 15, 18, etc.	Mailings to customers, Department of Commerce, etc. (additional 100 copies).

I would appreciate receiving six copies of your contribution promptly. Keep in mind that the final testimony must be submitted in affidavit form and cross-examination under oath will occur. Selection of Monsanto witnesses will be made later.

Topic assignments are as follows:

E. S. Tucker	PCB characteristics; physical, chemical Biodegradation Definition Analytical methodology Sampling
P. L. Wright	Toxicity Bioaccumulation Biomagnification Proposed effluent standard

DSW 174425

D. B. Hosmer/ J. R. Savage	Manufacturing PCB control practices Economic considerations pertaining to Monsanto operations
W. B. Papageorge	Preamble Monsanto sales policy Current uses Benefits Etc.

I am attempting to arrange for a discussion with Dr. G. Fred Lee, Consultant, to determine if he can be of any assistance. As soon as I have determined his availability, I will make final arrangements.

W. B. Papageorge

/bt

DSW 174426

FEBRUARY

DSW 174427

STLCOPCB4048948

W. B. Papageorge - General Offices, BlND

February 27, 1974

W. R. Corey
K. W. Easley
J. F. Stapleton

PCB EFFLUENT STANDARDS

Messrs.

P. G. Benignus
H. S. Bergen
T. L. Gossage
D. B. Hosmer
R. H. Munch
P. S. Park
C. Paton
W. R. Richard
J. R. Savage
E. S. Tucker
E. P. Wheeler
P. L. Wright

Arrangements have been completed for a meeting with PCB users to discuss the proposed EPA PCB effluent standards.

The meeting will be held on Thursday, February 28, beginning at 9:00 a.m. in Room 118, "N" Building.

A list of the expected participants is attached as well as a copy of the agenda.

W. B. Papageorge

/bt

Enclosures-2

DSW 174428

144

Monsanto

OUTGOING MESSAGE BLANK
Tele-Communications System

DATE 2/27/74 | TIME 3:45 | 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.

Dale Krygielski
Engineering Associate
Toledo Pollution Control Agency
Toledo, Ohio

In response to your teletyped request of 2/26/74 I can confirm my remarks which I made during our telephone conversation. It has always been Monsanto's policy not to divulge the names of our customers for the products we make, nor the quantities of products these customers purchase. We consider this to be proprietary information and thereby hold it confidential. Consequently, we do not feel free to comply with your request.

You indicated you had some information on Monsanto's Therminol 55. To assure that you have the most current information available, I am sending under separate cover copies of pertinent literature.

I regret I cannot comply with your request but if I can assist in other ways, please let me know.

W. B. Papageorge
Monsanto Company

143

IN-IR REV. 7-64

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

DSW 174429

STLCOPCB4048950

February 27, 1974

Dr. Gerald B. Jacobsen
Lamb-Weston, Inc.
Box 23507
Portland, Oregon 97223

Dear Dr. Jacobsen:

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

Aroclor 1242 } 1815
" 1254 }

DSW 174430

142

STLCOPCB4048951

February 27, 1974

Mr. L. A. Small
Analytical Department
ICI America, Inc.
333 Main Street
Dighton, Massachusetts 02715

Dear Mr. Small:

I have received your request for a 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

Aroclor 1254 - S/N 1814

DSW 174431

14

February 27, 1974

Mr. Harold Sollenberger
Biology Instructor
East Noble High School
South Garden Street
Kendallville, Indiana 46755

Dear Mr. Sollenberger:

I have received your completed Request for Sample Quantity of Product Containing PCBs and have made arrangements to have samples of Aroclor® 1242 and Aroclor® 1254 forwarded to you under separate cover. There is no charge for these samples.
I
If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1242
A-1254 } 1813

DSW 174432

4

140

STLCOPCB4048953

W. B. Papageorge - General Offices, BlND

February 27, 1974 E. S. Tucker - T2F

PCB DEFINITION

Mr. J. T. Garrett
A2SA

During a recent meeting at the MCA offices in Washington, D.C., Mr. Louis W. Roznoy, Olin Industries, requested I submit a definition of PCBs which could be used by appropriate MCA committees in commenting on recently-proposed effluent standards.

A definition we are proposing to EPA is as follows:

> "Polychlorinated biphenyls (PCBs) means materials containing the biphenyl group which is chlorinated and which have been shown to persist and rapidly bioaccumulate in the aquatic environment. These chlorinated biphenyls are identified as those components having gas chromatographic retention times greater than 54, relative to p,p-DDE = 100, under the standard conditions recommended in the EPA, PCB test method."

Will you relay this to Mr. Roznoy on Wednesday, February 27 during your scheduled work session.

Thanks.

W. B. Papageorge

/bt

DSW 174433

139

February 26, 1974

Ms. Marilee Turcotte
4521 Lake Michigan Drive
Allendale, Michigan 49401

Dear Ms. Turcotte:

Enclosed are copies of publications relating to polychlorinated biphenyls that I offered to send you. If hope you find them useful and informative.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

F, H, J, K, L, M, O, Q, T, U, V, W, X, Y, Z, AA

DSW 174434

STLCOPCB4048955

February 26, 1974

Mr. Daniel A. Wilson
1200 Reserve Street
Stevens Point, Wisconsin 54481

Dear Mr. Wilson:

I have received your letter of February 18, 1974 requesting information relating to polychlorinated biphenyls. Enclosed are copies of publications relating to PCBs which I hope you find useful and informative.

I am returning the check which you sent with your request as these publications are normally supplied upon request without charge, postage paid.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

F, H, J, K, L, M, O, Q, T, U, V, W, X, Y, Z, AA.

DSW 174435

137

STLCOPCB4048956

W. B. Papageorge - General Offices, B1ND

February 26, 1974

ACL-56

R. A. Herman - B2SJ
C. H. Matzek - B2SJ
G. R. Sido - G4EC

Messrs.

G. J. Levinskas - A2SC
G. D. Nelson - N1A

With the current interest in ACL-56 I recommend that arrangements be made for acute toxicity screening of this product.

W. B. Papageorge

/bt

DSW 174436

121

STLCOPCB4048957

February 25, 1974

Mr. Patrick Booe
P. R. Mallory & Company, Inc.
P. O. Box 706
Indianapolis, Indiana 46206

Dear Mr. Booe:

This is to confirm that a meeting will be held in St. Louis for the discussion of the proposed EPA polychlorinated biphenyl effluent standards as published in the Federal Register, December 27, 1973.

The meeting will be held at Monsanto's General Offices site at 800 North Lindbergh Boulevard in the "N" Building, Room 118, on Thursday, February 28, at 9:00 a.m. This meeting will probably require a full day, therefore, travel arrangements should be made accordingly.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 174437

STLCOPCB4048958

February 25, 1974

Mr. Arnold S. Doty
Technical Services Laboratory
P. R. Mallory & Company, Inc.
P. O. Box 706
Indianapolis, Indiana 46206

Dear Mr. Doty:

This is to confirm that a meeting will be held in St. Louis for the discussion of the proposed EPA polychlorinated biphenyl effluent standards as published in the Federal Register, December 27, 1973.

The meeting will be held at Monsanto's General Offices site at 800 North Lindbergh Boulevard in the "N" Building, Room 118, on Thursday, February 28, at 9:00 a.m. This meeting will probably require a full day, therefore, travel arrangements should be made accordingly.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 174438

134

STLCOPCB4048959

February 25, 1974

Mr. Richard Rollins
Jard Company, Inc.
Bowen Road
P. O. Box 650
Bennington, Vermont 05201

Dear Mr. Rollins:

This is to confirm that a meeting will be held in St. Louis for the discussion of the proposed EPA polychlorinated biphenyl effluent standards as published in the Federal Register, December 27, 1973.

The meeting will be held at Monsanto's General Offices site at 800 North Lindbergh Boulevard in the "N" Building, Room 118, on Thursday, February 28, at 9:00 a.m. This meeting will probably require a full day, therefore, travel arrangements should be made accordingly.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 174439

/ 33

STLCOPCB4048960

February 25, 1974

Mr. H. O. Hauser
Electrical Utilities Company
2427 St. Vincent Avenue
LaSalle, Illinois 61301

Dear Mr. Houser:

This is to confirm that a meeting will be held in St. Louis for the discussion of the proposed EPA polychlorinated biphenyl effluent standards as published in the Federal Register, December 27, 1973.

The meeting will be held at Monsanto's General Offices site at 800 North Lindbergh Boulevard in the "N" Building, Room 118, on Thursday, February 28, at 9:00 a.m. This meeting will probably require a full day, therefore, travel arrangements should be made accordingly.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 174440

/ 2)

STLCOPCB4048961

February 25, 1974

Dr. E. L. Simons
Manager, Environmental
Protection Operation
General Electric Company
One River Road
Schenectady, New York 12345

Dear Dr. Simons:

This is to confirm that a meeting will be held in St. Louis for the discussion of the proposed EPA polychlorinated biphenyl effluent standards as published in the Federal Register, December 27, 1973.

The meeting will be held at Monsanto's General Offices site at 800 North Lindbergh Boulevard in the "N" Building, Room 118, on Thursday, February 28, at 9:00 a.m. This meeting will probably require a full day, therefore, travel arrangements should be made accordingly.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 174441

131

STLCOPCB4048962

February 25, 1974

Mr. N. R. Clark
Universal Manufacturing Company
902 Crescent Avenue
Bridgeport, Connecticut 06607

Dear Mr. Clark:

This is to confirm that a meeting will be held in St. Louis for the discussion of the proposed EPA polychlorinated biphenyl effluent standards as published in the Federal Register, December 27, 1973.

The meeting will be held at Monsanto's General Offices site at 800 North Lindbergh Boulevard in the "N" Building, Room 118, on Thursday, February 28, at 9:00 a.m. This meeting will probably require a full day, therefore, travel arrangements should be made accordingly.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 174442

STLCOPCB4048963

February 25, 1974

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

Dear Mr. Salazar:

This is to confirm that a meeting will be held in St. Louis for the discussion of the proposed EPA polychlorinated biphenyl effluent standards as published in the Federal Register, December 27, 1973.

The meeting will be held at Monsanto's General Offices site at 800 North Lindbergh Boulevard in the "N" Building, Room 118, on Thursday, February 28, at 9:00 a.m. This meeting will probably require a full day, therefore, travel arrangements should be made accordingly.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 174443

STLCOPCB4048964

W. B. Papageorge - General Offices, B1ND

February 25, 1974 B. G. Tibbetts - B2SE

MONSIZE AD

W. D. Lubic's Memo, 2/22/74

Mr. W. D. Lubic
B1NB

I have reviewed your proposed Monsize ad for Pulp and Paper and Paper Processing and find it acceptable.

W. B. Papageorge

/bt

DSW 174444

STLCOPCB4048965

W. B. Papageorge - General Offices, B1ND

February 25, 1974

MONFLEX AD --
WALLCOVERINGS MAGAZINE

H. S. Bergen - B2SL
P. S. Park - A3SA
J. F. Stapleton - B2SA
F. G. Sutton - B2SD
E. P. Wheeler - A2SA

Mr. W. D. Lubic
B1NB

I have reviewed your proposed Monflex ad, and, because of the current attention directed to vinyl chloride monomer, I strongly recommend that this ad and all other ads referring to our ethylene vinyl chloride products be held in abeyance for about six months. Hopefully, at the end of this period we will have a better understanding of the acceptance of vinyl chloride monomer in commerce and can then review our products adequately.

W. B. Papageorge

/bt

DSW 174445

STLCOPCB4048966

W. B. Papageorge - General Offices, B1ND

February 25, 1974

Mr. C. J. Lee
B1NF

Please arrange to have an urn of coffee set up in room N-118 on Thursday, February 28 at 8:30 a.m.

Charge Number 47-000-735.40.

W. B. Papageorge

/bt

DSW 174446

STLCOPCB4048967

W. B. Papageorge - General Offices, B1ND

February 22, 1974

PCB EFFLUENT STANDARDS

W. R. Corey - B2SL
K. W. Easley - 1920
J. F. Stapleton - B2SA

Messrs.

P. G. Benignus - B2SC
H. S. Bergen - B2SL
T. L. Gossage - B2SL
P. B. Hodges - E1SF
D. B. Hosmer - E1SF
P. S. Park - A3SA
C. Paton - B2SC
W. R. Richard - T3A
J. R. Savage - B2SL
E. S. Tucker - T2F
P. L. Wright - A2SC

Arrangements are being made for a discussion of the PCB effluent standards with representatives of General Electric, Westinghouse, Electrical Utilities Company, NEMA and possibly representatives from EIA and IEEE to be held on Thursday, February 28, in room N-118 at 9:00 a.m.

To prepare for this meeting I propose we meet on Tuesday, February 26, in room B-303 at 1:30 p.m. The purpose of this meeting is to prepare for our subsequent meeting with our customer representatives.

W. B. Papageorge

/bt

DSW 174447

125

W. B. Papageorge - General Offices, B1ND

February 22, 1974

EVC1 ADVERTISING

H. S. Bergen - B2SL
R. C. Isham - B1NB
P. S. Park - A3SA
F. G. Sutton - B2SD
E. P. Wheeler - A2SA

Mr. W. B. Lubic
B1NB

I have reviewed the proposed advertising material for Monflex as you requested.

With the current interest in vinyl chloride monomer and some alleged effects on workers in PVC plants, I strongly recommend that the advertising material proposed not be issued at this time. I propose that this information be held in abeyance for approximately six months, at which time we can reconsider it.

W. B. Papageorge

/bt

DSW 174448

134

STLCOPCB4048969

Monsanto

OUTGOING MESSAGE BLANK
Telecommunications System

DATE 2/22/74 | TIME 1:15 | 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.

JOHN DURLAND
TOKYO

Re telex JRD to WBP dated 1/14. I regret and apologize for the delay in responding to your telex.

We have considered your requests and have the following questions and comments to offer:

1. Is "Disposal Association for PCB in Japan" a profit oriented service organization?

2. Does technology for destruction of PCBs by incineration exist in Japan? If so, does it have disadvantages? In what way is Monsanto's an improvement?

3. What criteria have been established and is our technology totally applicable.

123

IN-IR REV. 7-64

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

DSW 174449

STLCOPCB4048970

Monsanto | OUTGOING MESSAGE BLANK Telecommunications System | DATE | TIME | SENDER'S ACCOUNT NO.

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

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

4. Accumulation of our current knowledge and sharing of this knowledge will amount to considerable costs. We would like your opinion regarding Monsanto charging for this knowledge.

5. We are willing to consider the incineration of material returned by MMK if MMK pays the container costs, freight costs, and 5¢/lb. incineration costs. We cannot accept material from any other source. Also, the PCBs must not contain other ingredients such as phosphates which would result in damage to the incinerator, colored plumes or toxic gases.

W. B. Papageorge
St. Louis

cc: H. S. Bergen
D. Danna
C. Paton

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

DSW 174450

STLCOPCB4048971

W. B. Papageorge - General Offices, B1ND

February 22, 1974

OSHA CARCINOGEN STANDARDS

R. S. Baker - B2SB
H. S. Bergen - B2SL
W. R. Corey - B2SL
J. F. Stapleton - B2SA
E. P. Wheeler - A2SA

Messrs.

R. A. Pohl - B2SB
W. R. Richard - T3A
J. R. Savage - B2SL
W. F. Symes - N1A

The January 29th issue of the Federal Register, pages 3756-3797, contains the permanent work safety standards issued by OSHA. Standards which became effective February 11, 1974 are established for the 14 chemicals listed in the temporary standard issued May 3, 1973. SOCMA, along with three other trade associations and several chemical companies, have initiated court action against the Department of Labor seeking a review of the administrative record of actions which led to the standards. I expect that other court actions will be initiated by OCAW and the Health Research Group (Nader) claiming the standards are not strict enough.

Individual standards were issued for each of the 14 chemicals. Eight of the materials known to be carcinogenic to laboratory test animals but not necessarily to man have standards which apply if the concentration of chemical in solid or liquid mixtures is 1% or more. This is the same concentration as specified in the emergency standard of last May for all 14 materials. Chemicals in this category are:

2-Naphthylamine
4,4'-Methylenebis (2-Chloroaniline)
3,3'-Dichlorobenzidine (and its salts)
Ethyleneimine
B-Propiolactone
2-Acetylaminofluorene
4-Dimethylaminoazobenzene
N-Nitrosodimethylamine

For the remaining six chemicals there is evidence of carcinogenicity to man. Standards apply for these if the concentration of chemical in solid or liquid mixtures is 0.1% or more. Chemicals in this category are:

4-Nitrobiphenyl
Methyl chloromethyl ether
Bis chloromethyl ether
B-Naphthylamine
Benzidine
4-Aminobiphenyl

DSW 174451

122

STLCOPCB4048972

Standards are very detailed. In summary, they cover operations involving (1) isolated systems, (2) closed systems, (3) transfers from closed systems, (4) maintenance and decontamination, and (5) laboratory activities. Regulated area requirements include (1) employee identification, (2) emergencies, (3) hygiene facilities and practices, and (4) contamination control. Warning signs, container labels, training and indoctrination of employees, reports, and medical surveillance are specified. A copy of the Federal Register is attached.

Last May we concluded the 1% concentration limit would cause us no problems and neither would it be of concern to our customers. Would you please review your processes and products again with the six materials now having the 0.1% limit in mind and let me have your opinion on these questions:

1. Are any of our raw materials suspect?

2. Are any of the six substances made as by-products in concentrations affected by the standard during our processing?

3. What about the product we sell?

4. Should our customers be concerned about generation of any of these materials as they use our product?

W. B. Papageorge

/bt

Enclosure

DSW 174452

February 21, 1974

Dr. Lucy M. Anderson
Donald S. Walker Laboratory
Sloan-Kettering Institute for
Cancer Research
145 Boston Post Road
Rye, New York 10580

Dear Dr. Anderson:

I have received your request for a 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

bcc: C. Paton - B2SC
P. L. Slayton - 1650

Aroclor 1254 S/N 1812

DSW 174453

STLCOPCB4048974

February 21, 1974

Dr. Sidney R. Galler
Deputy Assistant Secretary
for Environmental Affairs
Office of the Assistant
Secretary of Commerce
U.S. Department of Commerce
Main Commerce Building
14th Street & Constitution Avenue, N.W.
Washington, D.C. 20230

Dear Dr. Galler:

Your letter to Mr. Warren Easley dated January 15, 1974 was forwarded to me to respond with comments relating to the proposed effluent standard for polychlorinated biphenyls (PCBs).

With regard to the five points listed, we have the following information to offer:

1. Can the proposed standards be met by existing technology?

   No. There is evidence to indicate that polychlorinated biphenyls can be removed from water by absorption or adsorption by particulate matter such as clays and soils. In fact, currently-used analytical methodology utilizes this characteristic. Further studies will be required to determine the best method for disposal of the contaminated solid waste which would result. A detailed manufacturing process, engineering design, capital cost and manufacturing cost have not been completed or determined. The cost would be substantial. There is no "turn key" technology available to industry.

DSW 174454

STLCOPCB4048975

2. If the technology to meet standards applicable to your operation(s) exists, please describe any potential problems you foresee in applying the technology within the proposed time period.

   Assuming the technology discussed in (1) above could be made available, we estimate 24 to 30 months may be required for the design, procurement, installation and demonstration of the facilities. The situation, as it relates to Monsanto's polychlorinated biphenyl-producing unit, is further complicated because of the yet-unknown requirements which will be imposed for the local and regional waste treatment systems which are now being planned. We do not know specifically the situation as it would pertain to the users of chlorinated biphenyls and we suggest they be contacted for their views.

3. Describe the manner and extent to which meeting the standards would impact upon your energy requirements.

   If the adsorption technology proves effective, large quantities of solid material containing polychlorinated biphenyls will be generated. Disposal of this waste will require incineration which will consume a considerable amount of fuel. The quantity cannot be determined until pilot studies are completed.

4. If the standards are to be met, describe the anticipated economic and social impact as reflected in the following:

   a. Plant closings.

   b. Employee layoffs.

   c. Projected increase in capital and operating costs as reflected in finished product cost.

   d. Termination in manufacture or consumption of products.

STLCOPCB4048976

If practical technology remains unavailable, the low effluent standard proposed cannot be met. This could lead to forced termination of the manufacture and use of polychlorinated biphenyls. Monsanto's PCB operations directly utilize 25 employees with an additional 30 in supporting service functions. In addition, the unit which supplies the intermediate raw material involves 47 employees who would also be laid off if no alternative use of the material can be developed. The current users of polychlorinated biphenyls, electrical capacitor and transformer manufacturers and their customers, will also be affected and we believe the extent of the economic and social impact would be considerable. Representatives of the capacitor and transformer manufacturers and the power distribution industry can provide more specific information and should be contacted.

Sincerely,

W. B. Papageorge
Manager, Product Acceptability
Functional Product Groups

WBP/bt

cc: Mr. K. W. Easley
Washington, D.C.

February 11, 1974

Textile Rubber Chemical Company
14241 East Alondra Boulevard
LaMirada, California 90638

Gentlemen:

In response to your recent inquiry relating to information on the possible presence of suspected carcinogens in our products, I have the following comments to offer:

Based on current knowledge of our raw materials and our processes, it is our best scientific opinion that the materials listed by the Occupational Safety and Health Administration on page 10929 of the Federal Register, Volume 38, No. 85, dated May 3, 1973 are not present in concentrations of 1% or more in the EVCl latices, which include Polvin 2500 and Polvin 2514, which your company purchases from Monsanto. However, you may wish to make your own assessment of our products.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

cc: Mr. R. Bevacqua
Los Angeles

bcc: L. D. Press
B2SD

DSW 174457

119

STLCOPCB4048978

W. B. Papageorge - General Offices, B1ND

February 8, 1974

EMA RAW MATERIALS
VINYL CROTONATE SPECIFICATIONS

Mr. J. Q. Snyder
N1A

C. S. Alack - B2SJ
L. E. Frank - 1560
D. Mickelson - 1560
E. L. Moore - B2SJ
G. D. Nelson - N1A
R. F. Neunuebel - E1SD
W. F. Symes - N1A
S. Vazopolos - N1A

What is the status of the plan to develop specifications for vinyl crotonate and get approval from suppliers?

W. B. Papageorge

/bt

DSW 174458

117

STLCOPCB4048979

W. B. Papageorge - General Offices, BlND

February 8, 1974

p-CUMYL PHENOL

Memo, WGB to WBP, 2/4/74

Mr. J. R. Savage
B2SL

W. G. Bammann - 1760
R. A. Geisman - 1760
J. S. Gillies - 1760
J. F. Herber - T3G
E. D. Malone - 1760
C. Paton - B2SC
W. R. Richard - T3A

1. What commitment, if any, do we have from the Kearny plant relating to p-Cumyl Phenol quality?

2. What is assay of p-Cumyl Phenol currently available from Kearny plant?

3. What is minimum assay required for process?

4. What is action plan for resolving any existing differences?

W. B. Papageorge

/bt

DSW 174459

116

STLCOPCB4048980

W. B. Papageorge - General Offices, BlND

February 8, 1974

PHOS-CHEK P/30 SPECIFICATIONS

Memo, FBC to PDA, 12/26/73
Memo, PDA to FBC, 12/28/73

Mr. F. B. Clarke
B2SJ

P. D. Axtell - 1150
D. C. Dieterich - 1150
J. E. Eldridge - 1150
R. A. Herman - B2SJ
E. L. Moore - B2SJ

The reference memos indicate some desire on your part to alter the present Phos-Chek P/30 specifications.

1. What has precipitated this interest?

2. Will this apply only to PPG?

3. What is current status?

W. B. Papageorge

/bt

DSW 174460

STLCOPCB4048981

W. B. Papageorge - General Offices, B1ND

February 8, 1974

C. H. Matzek - B2SJ
G. D. Nelson - N1A
P. L. Wright - A2SC

TOXICITY TESTING -
CYANURATES

Mr. R. A. Herman
B2SJ

I was finally able to contact Mr. Donald G. MacKellar, FMC, to discuss the possibility that his company may be interested in co-sponsoring toxicity studies of cyanuric acid with quail, mallard ducks and fish.

Mr. MacKellar informed me that studies have been made for Olin and reports were available. He promised to send me copies for our internal use.

After review of the reports we may wish to get copies directly from Olin by contacting John Wadig. Hopefully we could then use the information openly.

W. B. Papageorge

/bt

DSW 174461

STLCOPCB4048982

W. B. Papageorge - General Offices, B1ND

February 7, 1974

W. R. Corey - B2SL
J. F. Stapleon - A2SA

PCB EFFLUENT STANDARDS
EPA ECONOMIC ANALYSIS

Messrs.

H. S. Bergen
T. L. Gossage
D. B. Hosmer
P. S. Park
W. R. Richard
J. R. Savage

Attached is a copy of the EPA's economic impact statement relating to the toxic pollutants effluent standards proposed on December 27, 1973.

PCBs are mentioned on page 4, first paragraph.

W. B. Papageorge

/bt

Attachment

DSW 174462

113

STLCOPCB4048983

February 7, 1974

Dr. M. D. Stonard
MRC Toxicology Unit
Medical Research Council Laboratories
Woodmansterne Road
Carshalton, Surrey
England

Dear Dr. Stonard:

I have received your letter of January 30, 1974 requesting Aroclor® samples and regret to inform you that, due to environmental considerations, Monsanto has discontinued the manufacture of Aroclor® 1232, Aroclor® 1248, Aroclor® 1260, Aroclor® 1262, Aroclor® 1268, Aroclor® 5442 and Aroclor® 5460. I have made arrangements to have samples of Aroclor® 1221 and Aroclor® 1242 forwarded to you under separate cover.

Enclosed are copies of the available literature on Aroclor® 1016.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

A-1221 } s/n 1811
A-1242 }

DSW 174463

112

STLCOPCB4048984

W. B. Papageorge - General Offices, B1ND

February 7, 1974

PYROCLOR® DIRECT MAIL/U.K.

Memo, C.P. dated 2/6/74

A. Arpino - 5040
B. O. Benignus - B2SC
T. L. Gossage - B2SL
W. D. Lubic - B1NB
J. F. Stapleton/W. W. Withers

Dr. C. Paton
B2SC

I have reviewed the proposed direct mailing and can recommend approval with modifications 1, 2 and 3 as described in your memo.

W. B. Papageorge

/bt

DSW 174464

STLCOPCB4048985

February 7, 1974

Dr. Robert E. Lang
Laboratory Director
U. S. Customs Laboratory
201 Varick Street
New York, New York 10014

Re: Lab. No. E19926
SG:lt

Dear Dr. Lang:

Your letter of January 11 addressed to Mr. McCauley in Monsanto's Washington, D.C. office has been forwarded to me for response. I regret I cannot supply a sample of Aroclor® 1260 as Monsanto has discontinued the manufacture and sale 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

bcc: D.Danna

DSW 174465

110

STLCOPCB4048986

February 7, 1974

Mr. L. A. Small
Analytical Department
ICI America Inc.
333 Main Street
Dighton, Massachusetts 02715

Dear Mr. Small:

In response to your letter of January 22 relating to your need for a supply of Aroclor® 1254, I have enclosed a Request for Sample Quantity of Product Containing Polychlorinated Biphenyl. If you will return the completed form to me I will arrange to have a one-pound sample of this material forwarded to you. There will be no charge for this sample.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 174466

109

STLCOPCB4048987

February 7, 1974

Mr. Richard L. Greer
Health & Safety
CPR Division
The Upjohn Company
555 Alaska Avenue
Torrance, California 90503

Dear Mr. Greer:

In response to your letter of January 29 addressed to Monsanto's San Francisco location, I have enclosed a Material Safety Data Sheet covering our Phos-Chek P/30.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 174467

105

STLCOPCB4048988

February 7, 1974

Dr. Edward N. Azarowicz
2415 Cedar Lane
Vienna, Virginia 22180

Dear Dr. Azarowicz:

Enclosed is the Request for Sample Quantity of Product Containing Polychlorinated Biphenyls that I promised to send. If you will return the completed form to me I will arrange to have the samples you need 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 174468

107

STLCOPCB4048989

W. B. Papageorge - General Offices, B1ND

February 6, 1974

DOW CORNING SPECIFICATION
SANTOCEL 62

Messrs.

J. DiTommaso - 1410
R. D. McDaniel - B2SJ
W. L. Merman - 1410
W. F. Symes - N1A

C. W. Cook, Jr. - B2SJ
N. G. Hobbs - 1410
J. M. Kuenz - 1010
E. L. Moore - B2SJ
D. Oosthuizen - G4NN
H. Teicher - N1A
A. A. Thompson - 1410

Last July a proposed Finished Product Specification for Santocel 62 for Dow Corning was approved by each of you. A copy is attached for your reference.

This proposed specification was reviewed with representatives of Dow Corning. A copy of J. M. Kuenz' Call Report dated January 30 is attached.

May I have your comments regarding Dow Corning's proposals under Items 1 and 2 in the attached Call Report.

W. B. Papageorge

/bt

Attachment

DSW 174469

10L

STLCOPCB4048990

W. B. Papageorge - General Offices, B1ND

February 6, 1974

SHERWIN WILLIAMS
EMA-91 SPECIFICATION
Memo, CSA to WBP, 2/1/74

Mr. L. E. Frank
1560 - Luling

C. S. Alack - B2SJ
D. L. Brooks - 1070
T. G. Iversen - 1650
R. S. Koehne - 1650
R. D. McDaniel - B2SJ
D. Mickelson - 1560
E. L. Moore - B2SJ
G. D. Nelson/Shengen Hu - N1A

Attached is a Sherwin Williams specification for Ethylene Maleic Anhydride, Code 47-74-21, dated 6/30/70 and a copy of an acknowledgment signed by R. A. Herman dated September 4, 1970.

Does the EMA-91 produced at Luling meet these specifications?

W. B. Papageorge

/bt

Attachment

DSW 174470

165

STLCOPCB4048991

February 6, 1974

212-422-4800, ext. 8212

Dr. Francis Batchelder
Environmental Engineering Division
American Electric Power Service Corp.
#2 Broadway
New York, New York 10004

Dear Dr. Batchelder:

Enclosed are copies of literature relating to polychlorinated biphenyls as you requested. 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

8, BB, DD

DSW 174471

104

STLCOPCB4048992

February 5, 1974

Mr. Earl J. Harris
Associate Analytical Chemist
Rome Pollution Laboratory
New York State Department
of Environmental Conservation
8314 Fish Hatchery Road
Rome, New York 13440

Dear Mr. Harris:

I have received your request for a one pint 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

1 Pint
Aroclor 1016 - 1810

DSW 174472

103

STLCOPCB4048993

February 5, 1974

Mr. Tim Croughan
Biology Department
Reed College
Portland, Oregon 97202

Dear Mr. Croughan:

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
1254
S/N 1809

DSW 174473

STLCOPCB4048994

February 5, 1974

Dr. Eugene F. Corcoran
Division of Biology and
Living Resources
School of Marine and
Atmospheric Science
University of Miami
10 Rickenbacker Causeway
Miami, Florida 33149

Dear Dr. Corcoran:

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/2 1808

DSW 174474

1 of 1

February 5, 1974

Mr. Ralph Aldridge
Rust Engineering Company
P. O. Box 101
Birmingham, Alabama 35201

Dear Mr. Aldridge:

Enclosed is the literature pertaining to polychlorinated biphenyls that you requested I send. I hope you find it helpful.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

E, T, X, BB

DSW 174475

100

STLCOPCB4048996

W. B. Papageorge - General Offices, BlND

February 5, 1974

OECD -- PCBs

Memo, JNH to HAV, 12/13/73

Mr. J. N. Haggart
5040 - Brussels

In the reference memo you asked H. Vodden to respond to a letter by C. Nobbs, OECD, dated December 6, 1973.

Was a reply forwarded? If so, may I have a copy?

W. B. Papageorge

/bt

DSW 174476

99

W. B. Papageorge - General Offices, B1ND

February 4, 1974

CYA GRANULAR SPECIFICATION

Mr. C. H. Matzek
B2SJ

J. DiTommaso - 1410
L. J. Gilbert - 1410
R. A. Herman - B2SJ
N. G. Hobbs - 1410
D. J. Kelley - 1410
G. D. Nelson - N1A
J. S. Palermo - 1410

In response to your request that we establish a new specification for CYA granular similar to the specification for Tesco, Joe DiTommaso informs me that no formal Tesco specification exists. A copy of an informal specification and a memo from Roy Herman to J. M. Kuenz dated August 4, 1971 are attached. The plant proposes the following specification:

	Characteristics	Limits
	Screen Sizes, USSS	
R	On 12 Mesh	1.0% Max.
R	CR on 100 Mesh	95.0% Min.
R	Moisture	0.5% Max.
OR	Assay	98.7% Min.
OR	Ammeline-Ammelide	0.8% Max.
OR	pH of 10% Slurry @ 25°C	2.7 Min.
OR	Iron as Fe	35 ppm Max.
OR	Apparent Density (Solvay Cup)	.73-.83 g/ml

R = Routine Analysis
OR = On Request

May I have your comments?

W. B. Papageorge

DSW 174477

95

STLCOPCB4048998

W. B. Papageorge - General Offices, B1ND

February 4, 1974

W. R. Corey - B2SL
J. F. Stapleton - B2SA

Messrs.

R. S. Baker
H. S. Bergen

With the increasing pressures being placed on the EPA by environmentalist groups to expand the types of materials which are considered to be harmful, it appears to me that we should be prepared to defend any of our products which may come under specific attack.

As a major first step in becoming prepared, I strongly recommend that we review our current product lines, select those products which are vulnerable to criticism, consolidate all currently available information and initiate further studies as indicated. This information should be consolidated in a manner that lends itself to easy revision, for example, loose leaf notebook. A proposed table of contents is attached.

Products for which I believe dossiers should be prepared are those containing the following:

Phosphate esters
Chlorinated phenols
Phosphonates
Cyanurates
Vinyl chloride
Biphenyl

W. B. Papageorge

/bt

Attachment

DSW 174478

STLCOPCB4048999

W. B. Papageorge - General Offices, BlND

February 4, 1974

TOXICOLOGY EXPRESSIONS
AND SYMBOLS

W. R. Corey
P. O. DeGarmo
J. S. Metcalf
J. F. Stapleton
J. C. Weber

Messrs.

R. S. Baker
H. S. Bergen
T. L. Gossage
R. A. Pohl
W. R. Richard
J. R. Savage
D. L. Sliney
W. F. Symes
J. L. Wikoff
J. J. Zeman

Attached is a summary of abbreviations and expressions which are used in the description of toxicological properties. I thought you might find this a helpful reference.

W. B. Papageorge

/bt

Attachment

DSW 174479

91

STLCOPCB4049000

W. B. Papageorge - General Offices, B1ND

February 4, 1974

EMERGENCY INSTRUCTIONS - PCBs

P. G. Benignus - B2SC
R. L. Koch - B2SC
E. M. Potter - B2NK

Mr. T. W. Oneson
Montreal - 5090

Earl Potter asked me to respond to your request for an Instruction Kit which you mentioned in your Call Report to Westinghouse Canada Limited dated January 15, 1974.

We do not actually have a "Kit" which we issue to each driver. The only warnings we convey are by stamping the bill of lading with a PCB statement and emergency telephone numbers. Copies of these are attached. We have advised the employers of the drivers to provide appropriate instructions. I have not personally seen any evidence that the drivers have been given specific instructions.

W. B. Papageorge

/bt

Attachment

DSW 174480

9

STLCOPCB4049001

W. B. Papageorge - General Offices, B1ND

February 4, 1974

PCB DEGRADATION

J. E. Maurer - E1SA
W. R. Richard - T3A
J. L. Wikoff - B2SL

Mr. H. S. Bergen
B2SL

Last week I was approached by telephone by:

Dr. Edward N. Azarowicz
2415 Cedar Lane
Vienna, Virginia 22180 703-560-6621

Dr. Azarowicz claims he has a biodegradation method which can be used for the disposal of PCBs. He was reluctant to divulge any details and I deliberately avoided any specifics, but I did mention that Monsanto had conducted studies with many kinds of cultures and has some knowledge of the biodegradation of PCBs.

Dr. Azarowicz is very interested in commercializing his process but claims he has no funds available to him. He is very anxious to get Monsanto's support in his effort. I indicated to him that I could promise him nothing and he requested that I pursue this with the proper individuals within Monsanto.

Are you interested?

W. B. Papageorge

/bt

DSW 174481

94

STLCOPCB4049002

W. B. Papageorge - General Offices, B1ND

February 1, 1974

ONSET 22 FOR BOD CONTROL

WDL's Memo Dated 1/29/74

W. D. Lubic
B1NE

T. H. Bottini - B2CA
R. N. Perotti - E1NE
E. P. Wheeler - A2SA

The proposed technical paper for Onset 22 has my approval.

W. B. Papageorge

/bt

DSW 174482

STLCOPCB4049003

W. B. Papageorge - General Offices, B1ND

February 1, 1974

F. B. Clarke - B2SJ
D. Oosthuizen - G4NN

LAMPBLACK 10C
AIRCO SPEER
Memo, FBK to Airco Speer, 1/31/74

Mr. F. B. Klemencic
1010

In your letter to Mr. Garlitz you referred to Airco Speer specification MSR 1029. May I have a copy?

W. B. Papageorge

/bt

DSW 174483

STLCOPCB4049004

DSW 174484

STLCOPCB4049005

W. B. Papageorge - General Offices, B1ND

January 31, 1974

R. D. McDaniel - B2SJ
R. S. Koehne

WESTERN ELECTRIC
SYTON HT-30
Memo, CWC to WBP, 1/29/74

Mr. C. W. Cook, Jr.
B2SJ

As requested in the referenced memo, enclosed are Syton HT-30 product specifications and Standard Analytical Methods for Western Electric, Reading, Pennsylvania.

W. B. Papageorge

/bt

Enclosures

Syton method No:

535-01-02	12/31/66
535-01-04	12/17/67
535-01-15	7/16/69

General Procedure

600-16-01	4/2/68

DSW 174485

STLCOPCB4049006

January 30, 1974

Mr. Edward H. Kiefer
Vice President
Kiefer McNeil
999 Sweitzer Avenue
Akron, Ohio 44311

Dear Mr. Kiefer:

In response to your letter of December 10, 1973 requesting updated data for Sears' Poison Control file, I have enclosed Material Safety Data Sheets covering Monsanto's ACL-60 and ACL-85. These are the forms generally accepted by industry and I hope they will fulfill Sears' needs.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures-2

cc: Mr. F. B. Klemencic
Akron, Ohio

bcc: C. H. Matzek - B2SJ

DSW 174486

STLCOPCB4049007

January 30, 1974

Dr. Edward S. Reynolds
Peter Bent Brigham Hospital
721 Huntington Avenue
Boston, Massachusetts 02115

Dear Dr. Reynolds:

I have received your completed sample request form and am forwarding to you under separate cover samples of Aroclor® 1242 and Aroclor® 1254. I regret I cannot supply samples of Aroclor® 1262 or Aroclor® 1270 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

Aroclor 1242 } 8/72 1807
" 1254 }

DSW 174487

89

January 30, 1974

Dr. Gerald Jacobsen
Lamb-Weston
Box No. 23507
Portland, Oregon 97223

Dear Dr. Jacobsen:

As you have requested, enclosed is a Request for Sample Quantity of Product Containing Polychlorinated Biphenyls. If you will return the completed form to me I will arrange to have the samples 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 174488

9.9

STLCOPCB4049009

January 30, 1974

Mr. John Carter
The University of Texas
Health Science Center
7703 Floyd Curl Drive
San Antonio, Texas

Dear Mr. Carter:

In response to your letter of January 25 requesting technical publications describing Aroclor® 1242, I have enclosed a copy of Monsanto Technical Bulletin O/PL-306A and an article from the ENCYCLOPEDIA OF CHEMICAL TECHNOLOGY. 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-2

E+T

DSW 174489

87

STLCOPCB4049010

W. B. Papageorge - General Offices, B1ND

January 30, 1974

SAMPLING AND TESTING PLANS

D. C. Dieterich - 1150
L. J. Gilbert - 1410
E. L. Moore - B2SJ
J. R. Savage - B2SL

Messrs.

J. DiTommaso - 1410
O. E. Dolin - 1670
J. E. Eldridge - 1150
T. G. Lyons - 1890

Attached are examples from the Trenton Food Grade Quality Control Manual.

You may wish to use these examples as guidelines in the preparation of your plans as described in MICC Product Acceptability Practices, Paper No. 4.

W. B. Papageorge

/bt

Attachment

DSW 174490

STLCOPCB4049011

Monsanto

OUTGOING MESSAGE BLANK
Tele-Communications System

DATE	TIME	SENDER'S ACCOUNT NO.
1/30/74	Noon	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. A. VODDEN
LOUVAIN

IN A PAPER PRESENTED AT PCB CONFERENCE STOCKHOLM SEPTEMBER 1970 S. JENSEN INDICATED NEW EXPERIMENTS WITH SALMON EGGS WERE SCHEDULED FOR 1970-1971. CAN YOU DETERMINE IF WORK WAS COMPLETED AND IF RESULTS ARE AVAILABLE.

W. B. PAPAGEORGE
ST. LOUIS

DSW 174491

85

IN-IR

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

STLCOPCB4049012

January 30, 1974

Mr. Ronald E. Morin
Material Control Specialist
Scott Graphics, Inc.
Holyoke, Massachusetts 01040

Dear Mr. Morin:

In response to your letter dated January 15, I have enclosed copies of Material Safety Data Sheets covering the following products:

n-Butyl Acid Phosphate
Santocel FRC
Syton C-30

Based on current knowledge of our raw materials and our processes, it is our best scientific opinion that the materials listed by the Occupational Safety and Health Administration on Page 10929 of the Federal Register, Volume 38, No. 85, dated May 3, 1973 are not present in concentrations of 1% or more in any of the above products which your company purchases from Monsanto. However, you may wish to make your own assessment of our products.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures-3

DSW 174492

STLCOPCB4049013

W. B. Papageorge - General Offices, B1ND

January 29, 1974

OBJECTIVES - 1974

Mr. W. R. Corey
B2SL

Attached is my first draft of objectives for 1974. I would appreciate your comments.

W. B. Papageorge

/bt

Attachment

DSW 174493

STLCOPCB4049014

January 29, 1974

Mr. C. K. Hetherington, Director
Meat Inspection Division
Health of Animals Branch
Ottawa, Ontario, Canada

Dear Mr. Hetherington:

Mr. Quentin Meng, Reliance Brooks, Inc., has requested that I mail to you a confidential chemical analysis of our product, Dequest® 2000.

This material is a 50% solution of aminotris (methylphosphonic acid). Its formula may be expressed as follows: $N(CH_2PO_3H)_3$. Its molecular weight is 299.

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

cc: Mr. Quentin Meng
Reliance Brooks, Inc.
3302 East 87th Street
Cleveland, Ohio 44127

bcc: C. S. Alack - B2SJ
F. B. Klemencic - 1010
D. Oosthuizen - G4NN
D. B. Zaretsky - 5110

DSW 174494

82

STLCOPCB4049015

W. B. Papageorge - General Offices, B1ND

January 29, 1974

PCB EFFLUENT STANDARDS

W. R. Corey - B2SL
D. B. Hosmer - E1SF
J. F. Stapleton - B2SA
E. P. Wheeler - A2SA

Messrs.

P. G. Benignus - B2SC
H. S. Bergen - B2SL
J. T. Garrett - A2SA
T. L. Gossage - B2SL
P. B. Hodges - E1SF
P. S. Park - A3SA
C. Paton - B2SC
W. R. Richard - T3A
J. R. Savage - B2SL
E. S. Tucker - T2F
P. L. Wright - A2SC

A meeting will be held on Friday, February 1 at 9:00 am in Room C-303.

Agenda

1. Review of public hearing held on January 25 in Washington.
2. Develop plan for preparing Monsanto testimony.

Proposed Topics for Testimony

1. Description of PCBs.
   a. Chemical
   b. Physical
   c. Degradation
   d. Definition of PCBs which could result in environmental problems
2. Analysis
   a. Method
   b. Sampling
3. Toxicity
   a. Critical review of basis and purpose
   b. Review of available literature relating to aquatic and marine studies
   c. Biomagnification; bioaccumulation
   d. Propose effluent standard

DSW 174495

4. Economic

   a. Impact if banned
   b. Cost of treatment

5. Monsanto's PCB program

6. PCB control at our manufacturing site

W. B. Papageorge

/bt

DSW 174496

W. B. Papageorge - General Offices, B1ND

January 28, 1974

R. L. Koch - B2SC
C. Paton - B2SC

MATERIAL SAFETY DATA SHEET
MCS-1569

IN TURN TO:

J. F. Herber - T3G
J. T. Garrett - A2SA
W. B. Papageorge - B1ND

Attached is a draft of a Material Safety Data Sheet covering MCS-1569. Will each of you please fill in the appropriate sections and forward.

W. B. Papageorge

/bt

Attachment

DSW 174497

STLCOPCB4049018

January 28, 1974

Mr. John Miniutti
Quality Control Department
Colgate-Palmolive Company
3000 Park Avenue
New York, New York 10022

Dear Mr. Miniutti:

Enclosed is our Product Specification sheet on Monsanto's ACL-59, which is your Code M-2040, as requested in Mr. O'Connor's letter to our New York office dated January 15.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 174498

STLCOPCB4049019

W. B. Papageorge - General Offices, B1ND

January 28, 1974

EMA-901 PRODUCT SPECIFICATIONS

Memo, CSA to WBP, 12/17/73

Mr. S. Vazopolos
N1A

C. S. Alack - B2SJ
E. K. Brakebill - B2SJ
Shengen Hu - N1A
R. D. McDaniel - B2SJ
E. L. Moore - B2SJ
G. D. Nelson - N1A
R. G. Pier - B2SG
W. F. Symes - N1A

In the reference memo Charles Alack requested that we set up a tentative specification for EMA-901.

Will you forward your suggestions to me.

W. B. Papageorge

/bt

DSW 174499

75

STLCOPCB4049020

W. B. Papageorge - General Offices, B1ND

January 28, 1974

R. S. Baker - B2SB
D. L. Sliney - B2SB

Dr. W. F. Symes
N1A

From reading numerous memoranda I am under the impression that Pyrovatex is being sold in commercial quantities. I cannot find in my file any evidence that EC-201 and EC-202 forms have been completed for this product. The Medical Department has no record that they have given clearance for commercialization.

Will you please arrange to have forms EC-201 and EC-202 submitted quickly.

W. B. Papageorge

/bt

DSW 174500

77

STLCOPCB4049021

January 28, 1974

Mr. Dean J. Deakyne
Manager, Sales and Engineering
Gardner Water Refining, Inc.
240 Circle Drive
Maitland, Florida 32751

Dear Mr. Deakyne:

In your letter of November 12, 1973 you suggested that we could perhaps supply sufficient information to Mr. Nathan Finney, Division of Health, Jacksonville, Florida to satisfy his needs relating to pharmacological and toxicological properties of Monsanto's Dequest® 2010. Attached are copies of toxicity information. I regret I do not have any information which describes the teratogenic, mutagenic, carcinogenic or other disease-related properties.

As you know, chemicals used in potable water treatment are not regulated by any federal agency. Control rests entirely with the thousands of local public health departments.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Attachment

bcc: C. S. Alack - B2SJ
E. M. Connors - 1550
R. D. Hogue - N1A
R. D. McDaniel - B2SJ

DSW 174501

STLCOPCB4049022

January 28, 1974

Mr. Robert Blevitt
Director of Engineering
Ajax International Corporation
P. O. Box 4007
Santa Barbara, California 93103

Dear Mr. Blevitt:

In response to your letter of November 23, 1973 I am pleased to forward to you the attached toxicity information on our products, Dequest® 2000 and Dequest® 2010. I regret I do not have any information relating to teratogenic, mutagenic, carcinogenic and allergenic properties as they relate to drinking water supplies.

Since the federal agencies are not involved with local potable water supplies, regulation of water treating chemicals has not been sought. Any questions raised regarding the presence of Dequests® must be resolved on a case-by-case basis with the several thousand local public health departments involved.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Attachment

bcc: C. S. Alack - B2SJ
E. M. Connors - 1550
R. D. Hogue - N1A
R. D. McDaniel - B2SJ

DSW 174502

STLCOPCB4049023

W. B. Papageorge - General Offices, BIND

January 28, 1974

R. A. Herman - B2SJ
E. P. Wheeler - A2SA

PHOS CHEK DAP
BEATRICE FOODS
Memo, JMK to RAH, 11/15/73

Mr. J. M. Kuenz
1180

Attached is a copy of a Toxicity and Safe Handling statement for Phos Chek DAP signed by Dr. Emmet Kelly.

Will you please forward it to Mr. Al Mykolaitis at Beatrice Foods. I hope it is suitable for his current needs.

W. B. Papageorge

/bt

Attachment

DSW 174503

STLCOPCB4049024

January 25, 1974

Dr. Lucy M. Anderson
Donald S. Walker Laboratory
Sloan-Kettering Institute for
Cancer Research
145 Boston Post Road
Rye, New York 10580

Dear Dr. Anderson:

In response to your letter of December 18, 1973 requesting a sample of Aroclor® 1254, I have enclosed a Request for Sample Quantity of Product Containing Polychlorinated Biphenyls.

Because of environmental considerations, Monsanto has discontinued the manufacture and sale of many of its Aroclor® products. Aroclor® 1254, however, is currently manufactured and sold to industry as a dielectric fluid.

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
P. L. Slayton - 1650

DSW 174504

January 25, 1974

Dr. Richard E. Peterson
Department of Pharmacology
The Medical College of Wisconsin
561 North Fifteenth Street
Milwaukee, Wisconsin 53233

Dear Dr. Peterson:

I have received your request for 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 1806

DSW 174505

STLCOPCB4049026

January 25, 1974

Mr. Barry J. Drucker
St. Louis Public Health Laboratories
Room 32
1320 Market Street
St. Louis, Missouri 63103

Dear Mr. Drucker:

I have received your request for a 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

Aroclor 1254 S/N 1805

DSW 174506

71

STLCOPCB4049027

January 25, 1974

Dr. Eugene F. Corcoran
Division of Biology and
Living Resources
School of Marine and
Atmospheric Science
University of Miami
10 Rickenbacker Causeway
Miami, Florida 33149

Dear Mr. Corcoran:

I have received your letter of January 18 requesting a sample of Aroclor® 1016. Enclosed is a Request for Sample Quantity of Product Containing Polychlorinated Biphenyls. If you will return the completed form to me I will arrange to have the requested sample forwarded to you. There is no charge for this sample.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 174507

January 25, 1974

Dr. Walt Weigel
Kettering Laboratories
Eden and Bethesda
Cincinnati, Ohio 45219

Dear Mr. Weigel:

As you have requested, enclosed is a table showing the Typical % Composition of Polychlorinated Biphenyl Products.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 174508

1-9

STLCOPCB4049029

W. B. Papageorge - General Offices, B1ND

January 24, 1974

PENTACHLOROPHENOL
WASTE DISPOSAL
Memo, DKL/WBP, 1/16/74

D. C. Armstrong - 1740
P. E. Heisler - 1740
D. B. Hosmer - E1SF
J. R. Savage - B2SL
S. H. Vogel - 1740

Mr. D. K. Lynch
1740

I found your memo very interesting but, since it involves effluents from one of our operating plants and the PCB incinerator, I suggest you discuss your plan with Des Hosmer, Paul Heisler and Jim Savage.

W. B. Papageorge

/bt

DSW 174509

STLCOPCB4049030

W. B. Papageorge - General Offices, BlND

January 24, 1974

MONOCHLOROBIPHENYL
TOXICITY STUDIES
Memo, GJL/WBP, 1/22/74

H. S. Bergen - B2SL
C. Paton - B2SC
J. F. Stapleton - B2SA
E. S. Tucker - T3F

Dr. W. R. Richard
T3A

I concur with George Levinskas' suggestion that we undergo the toxicity studies mentioned in his memo.

I recommend we proceed with the studies and suggest that someone prepare the appropriate samples and initiate a Toxicity Evaluation form.

W. B. Papageorge

/bt

DSW 174510

17

STLCOPCB4049031

W. B. Papageorge - General Offices, B1ND

January 23, 1974

W. R. Richard - T3A
E. P. Wheller - A2SA

PENTA - TOXICITY STUDIES

Letter, R. D. Arsenault (Koppers) to HSB, 1/2/74

Mr. H. S. Bergen
B2SL

Bob Arsenault's letter is certainly interesting in that he points out for the first time, as least to my knowledge, the fairly extensive use of Penta-treated lumber, sawdust and shavings in farming operations.

His proposal that we test the effect of Penta-treated shavings fed to chickens is interesting, but I have difficulty evaluating the benefits of such a test in our attempts to demonstrate that Penta should be retained as a wood preservative. I have a suspicion that if the presence of Penta around a chicken farm were a serious problem we would have considerable evidence that chickens are being affected. Perhaps they are and we are just not aware of it. Also, it is my understanding that the chick edema factor test is not intended to apply to effects noted in domestic poultry only but is used to serve as an indicator of potential effects on other living creatures.

Since Arsenault's proposal is not a test normally used to evaluate a chemical I recommend we rely on our Medical Department's opinion regarding the true value of such a test.

W. B. Papageorge

/bt

DSW 174511

W. B. Papageorge - General Offices, B1ND

January 23, 1974 F. B. Klemencic - 1010

Mr. F. J. Kusiak
G4EC

Attached is a request for information on the containers used for Lampblack. Can your office help us respond to this request.

W. B. Papageorge

/bt

Attachment

DSW 174512

STLCOPCB4049033

W. B. Papageorge - General Offices, BlND

January 23, 1974

R. D. McDaniel - B2SJ
A. A. Thompson - 1410

CUSTOMER SPECIFICATIONS --
SANTOCEL

CWC, Jr. to WBP, 1/22/74

Mr. C. W. Cook, Jr.
B2SJ

Product specifications within MICC are not assigned specification numbers nor is there a plan to introduce a numbering system. Assigning numbers to special customer specifications does not appear to offer any practical advantage since references to these specifications be just as easily made by using the company name.

I can understand why the plant is confused in filling the order for a shipment of Santocel-62 to Hoosier Solvents and Chemicals Company. To our knowledge there is no record of a special Santocel 62 specification for this customer. I suggest a Marketing representative contact the customer to attempt to establish what commitment we may have.

W. B. Papageorge

/bt

DSW 174513

64

STLCOPCB4049034

W. B. Papageorge - General Offices, B1ND

January 23, 1974

POLAROID CORPORATION - EMA-31
SPEC. NO. 17017 DATED 8/16/73

Mr. T. G. Iversen
1650

C. S. Alack - B2SJ
L.E. Frank - 1560
Shengen Hu - N1A
D. Mickelson - 1560
R. D. McDaniel - B2SJ
E. L. Moore - B2SJ
G. D. Nelson - N1A
S. Vazopolos - N1A

I have reviewed Polaroid's most recent proposal for EMA-31 specifications and have the following comments to offer.

1. The specifications for Appearance, Dichloroethane, Specific Viscosity and Total Maleic are acceptable.

2. Under Identity, we still do not have a copy of Polaroid's Method #SAM-7-4A to properly evaluate this proposal. Last June, Mr. E. C. Page promised to send me a copy. Can you help us get one?

3. Under Total Volatiles, we do not have a copy of Polaroid's Method #SAM-7-4B to properly evaluate this proposal. On June 20, 1972, we sent Polaroid a copy of our Method 69-3-7. Are the two identical?

4. Under Moisture, a maximum of 0.7% is proposed. Manufacturing has some difficulty meeting this limit consistently. At one time a maximum of 1.5% was acceptable. What is the need for the change?

5. Under % Acid Form of Polymer, as you know, we are still working with Polaroid to establish values for this property. Is Method #SAM-7-4C identical to our Method H-730010, which was forwarded to Polaroid for approval?

6. Under Screen Analysis, I had previously proposed to Mr. Page that the percent on USSS 14 be set at 0.1 maximum instead of the proposed 0.0 maximum. At one time, he indicated this would be acceptable. Will he reconsider 0.1% maximum?

7. Under Packaging and Labeling Specifications, the proposal calls for a net weight per package of 150 lbs. With the current bulk density of the material we can only package 75 lbs. per package. Also, the specification calls for preformed polydisc assembled 10 mil poly-liner. We propose that a 3 mil poly bag is adequate for this purpose.

Will you please have someone review these comments with Polaroid.

DSW 174514

STLCOPCB4049035

W. B. Papageorge - General Offices, BLND

January 23, 1974

EPA REQUEST FOR PENTA SAMPLE

Memo, BOT to WBP, 1/9/74

Mr. E. G. Tibbetts
B2SE

H. S. Bergen - B2SL
D. R. Dill - Q2C
K. W. Easley - 1920
T. L. Gossege - B2SL
W. R. Richard - T3A
D. W. Stegen - B2SE

Warren Easley has looked into the EPA organization to determine the relationship between Mr. Warren Bontoyan, Mr. Henry Korp and Dr. Leonard Axelrod. The organization is as shown below:

Henry J. Korp
Deputy Assistant Administrator for Pesticide Programs

Dr. Leonard Axelrod
Criteria and Evaluation
Division

Dr. William Murray
Technical Services
Division

Warren Bontoyan

The Technical Services Division provides laboratory services for the Office of Pesticides.

W. B. Papageorge

/bt

DSW 174515

STLCOPCB4049036

W. B. Papageorge - General Offices, B1ND

January 23, 1974

D. R. Dill - Q2C
D. W. Stegen - B2SE
B. G. Tibbetts - B2SE

Marge Roth
B2SE

Attached is a Certificate of Quality for Monsanto's Penta which I hope is adequate for your current needs.

W. B. Papageorge

/bt

Attachment

DSW 174516

STLCOPCB4049037

January 23, 1974

Mr. Warren Bontoyan
Environmental Protection Agency
South Lab Building
ARC-EAST
Beltsville, Maryland 20705

Dear Mr. Bontoyan:

I am sending under separate cover a sample of Pentachlorophenol which you requested from Monsanto's Mr. Don Stegen.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

cc: Mr. D. W. Stegen

bcc: D. R. Dill
B. G. Tibbetts

DSW 174517

STLCOPCB4049038

W. B. Papageorge - General Offices, B1ND

January 23, 1974

E. L. Moore - B2SJ
R. A. Pohl - B2SB
J. R. Savage - B2SL

Messrs.

J. T. Bell - 1060
J. DiTommaso - 1410
O. E. Dolin - 1670
J. E. Eldridge - 1150
L. E. Frank - 1560
R. A. Geisman - 1760
H. J. Horner - 1740
J. S. Laws - 1100
T. G. Lyons - 1890
E. C. Moredock - 1720

Attached for your information is a supplement to Product Acceptability Practices, Paper No. 3, dated December 3, 1973.

W. B. Papageorge

WBP/bt

Attachment

DSW 174518

59

STLCOPCB4049039

W. B. Papageorge - General Offices, BlND

January 22, 1974

Messrs.

P. G. Benignus	- B2SC
H. S. Bergen	- B2SL
D. R. Dill	- Q2C
G. F. Fague	- B2SC
M. E. Gibbs	- W1A
T. L. Gossage	- B2SL
J. F. Herber	- T3G
J. A. Horner	- B2SE
M. V. Merchant	- Q2C
D. R. Miller	- T3F
R. H. Munch	- T1B
C. Paton	- B2SC
J. P. Petrovich	- Q1E
W. R. Richard	- T3A
J. R. Savage	- B2SL
L. R. Stark	- W4A
D. W. Stegen	- B2SE
F. G. Sutton	- B2SD
Q. R. Thompson	- T3E
B. G. Tibbetts	- B2SE
R. S. Trump	- B2SE

E. M. Potter
L. D. Press
B2SB

Attached for your information is a supplement to Product Acceptability Practices, Paper No. 3, dated December 3, 1973.

W. B. Papageorge

WBP/bt

Enclosure

DSW 174519

58

STLCOPCB4049040

W. B. Papageorge - General Offices, B1ND

January 22, 1974

Messrs.

J. B. Clarke
C. W. Cook
B2SV

C. A. Alack	- B2SJ
R. S. Baker	- B2SB
A. R. Handleman	- B2SJ
R. A. Herman	- B2SJ
R. D. Hogue	- N1A
J. C. Larkin	- B2SG
M. L. Losee	- N1A
C. H. Matzek	- B2SJ
R. D. McDaniel	- B2SJ
E. L. Moore	- B2SJ
G. D. Nelson	- N1A
R. G. Pfarr	- B2SG
R. A. Pohl	- B2SB
D. L. Sliney	- B2SB
W. F. Symes	- N1A
H. Teicher	- N1A
S. L. Vazopolos	- N1A

J. K. Stephens
B2NK

Attached for your information is a supplement to Product Acceptability Practices, Paper No. 3, dated December 3, 1973.

W. B. Papageorge

WBP/bt

Attachment

DSW 174520

STLCOPCB4049041

W. B. Papageorge - General Offices, B1ND

January 22, 1974

SERVICE AND QUALITY COMPLAINTS

P. O. DeGarmo - B3NJ
E. M. Potter - B2NK
J. R. Savage - B2SL

Mr. O. E. Dolin
1670

I recently saw a copy of your 1973 Complaint Summary. Since Specialty Products Group products are involved, I would appreciate being included on the mailing list for all complaint correspondence.

I do not know if Jim Savage or Earl Potter see this correspondence but it appears to me that perhaps they too would be interested.

W. B. Papageorge

/bt

DSW 174521

STLCOPCB4049042

W. B. Papageorge - General Offices, BlND

January 22, 1974

R. A. Herman
E. L. Moore

ACL-85XG

Mr. J. E. Larkin
B2SG

In response to your question relating to our ability to product ACL-85XG with a chlorine assay of 89.5% minimum, Ed Moore has received the following information from the W. G. Krummrich plant.

> "In 1973, we produced 150 lots of ACL-85 that were analyzed for available chlorine. Only 59% was above the proposed minimum available chlorine of 89.5%. Manufacturing proposes, therefore, that nothing be done to change the minimum available chlorine from 88.0%.

W. B. Papageorge

/bt

DSW 174522

STLCOPCB4049043

January 21, 1974

Dr. E. L. Simons, Manager
Environmental Protection Operation
General Electric Company
One River Road
Schenectady, New York 12345

Dear Dr. Simons:

Attached is a copy of the report containing the salmon egg mortality data used by EPA to establish the recently proposed PCB effluent standard.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Attachment

DSW 174523

STLCOPCB4049044

January 21, 1974

Mr. Harry Sheppard
Westinghouse Electric Corporation
469 Sharpsville
Sharon, Pennsylvania 16146

Dear Mr. Sheppard:

Attached is a copy of the report containing the salmon egg mortality data used by EPA to establish the recently proposed PCB effluent standard.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Attachment

DSW 174524

STLCOPCB4049045

January 21, 1974

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

Dear Mr. Salazar:

Attached is a copy of the report containing the salmon egg mortality data used by EPA to establish the recently proposed PCB effluent standard.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Attachment

DSW 174525

STLCOPCB4049046

January 21, 1974

Mr. James S. Nelson
Product Environmental Compatibility
General Electric Company
One River Road
Schenectady, New York 12345

Dear Mr. Nelson:

Attached is a copy of the report containing the salmon egg mortality data used by EPA to establish the recently proposed PCB effluent standard.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Attachment

DSW 174526

January 21, 1974

Dr. Eunice Moore
Electric Utilities Company
2427 St. Vincent Avenue
LaSalle, Illinois 61301

Dear Dr. Moore:

Attached is a copy of the report containing the salmon egg mortality data used by EPA to establish the recently proposed PCB effluent standard.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Attachment

DSW 174527

STLCOPCB4049048

W. B. Papageorge - General Offices, BLND

January 21, 1974

Messrs.

H. S. Bergen
W. R. Corey
K. W. Easley
D. B. Hosmer
J. F. Stapleton
E. P. Wheeler

Attached is a copy of the report containing the salmon egg mortality data used by EPA to establish the recently proposed PCB effluent standard.

W. B. Papageorge

/bt

Attachment

DSW 174528

18

STLCOPCB4049049

W. B. Papageorge - General Offices, B1ND

January 21, 1974,

J. E. Maurer - E1SA
J. J. Zeman - B2SB

SANTOFLOC C

Memo, TMK/WBP, 1/9/74

Mr. T. M. King
B2SG

The decision relating to divulging the chemical name or chemical composition of our products to regulatory agencies must, of course, consider the impact this information would have on the product if it became public knowledge.

I would recommend that this decision be made by the Business Group (R. Baker) with guidance from the Patent Department.

W. B. Papageorge

/bt

DSW 174529

47

January 18, 1974

Mr. Harry Sheppard
Westinghouse Electric Corporation
469 Sharpsville
Sharon, Pennsylvania 16146

Re: Environmental Protection Agency
(40 CFR Part 129)
Water Program
Proposed Toxic Pollutant Effluent Standards
Federal Register, Vol. 38, No. 247,
Pages 35388-35395
Thursday, December 27, 1973

Dear Mr. Sheppard:

Attached for your information is a copy of comments which we have forwarded to the Hearing Clerk, Environmental Protection Agency, in accordance with the Federal Register notice referenced above.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

bcc: P. G. Benignus

DSW 174530

46

STLCOPCB4049051

January 18, 1974

Dr. E. L. Simons, Manager
Environmental Protection Operation
General Electric Company
One River Road
Schenectady, New York 12345

Re: Environmental Protection Agency
(40 CFR Part 129)
Water Program
Proposed Toxic Pollutant Effluent Standards
Federal Register, Vol. 38, No. 247,
Pages 35388-35395
Thursday, December 27, 1973

Dear Dr. Simons:

Attached for your information is a copy of comments which we have forwarded to the Hearing Clerk, Environmental Protection Agency, in accordance with the Federal Register notice referenced above.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

bcc: P. G. Benignus

DSW 174531

STLCOPCB4049052

January 18, 1974

Mr. James S. Nelson
Product Environmental Compatibility
General Electric Company
One River Road
Schenectady, New York 12345

Re: Environmental Protection Agency
(40 CFR Part 129)
Water Program
Proposed Toxic Pollutant Effluent Standards
Federal Register, Vol. 38, No. 247,
Pages 35388-35395
Thursday, December 27, 1973

Dear Mr. Nelson:

Attached for your information is a copy of comments which we have forwarded to the Hearing Clerk, Environmental Protection Agency, in accordance with the Federal Register notice referenced above.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

bcc: R. G. Benignus

DSW 174532

STLCOPCB4049053

January 18, 1974

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

Re: Environmental Protection Agency
(40 CFR Part 129)
Water Program
Proposed Toxic Pollutant Effluent Standards
Federal Register, Vol. 38, No. 247,
Pages 35388-35395
Thursday, December 27, 1973

Dear Mr. Salazar:

Attached for your information is a copy of comments which we have forwarded to the Hearing Clerk, Environmental Protection Agency, in accordance with the Federal Register notice referenced above.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

bcc: P. G. Benignus

DSW 174533

STLCOPCB4049054

January 18, 1974

Dr. Eunice Moore
Electric Utilities Company
2427 St. Vincent Avenue
LaSalle, Illinois 61301

Re: Environmental Protection Agency
(40 CFR Part 129)
Water Program
Proposed Toxic Pollutant Effluent Standards
Federal Register, Vol. 38, No. 247,
Pages 35388-35395
Thursday, December 27, 1973

Dear Dr. Moore:

Attached for your information is a copy of comments which we have forwarded to the Hearing Clerk, Environmental Protection Agency, in accordance with the Federal Register notice referenced above.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Attachment

bcc: P. G. Benignus

DSW 174534

STLCOPCB4049055

January 18, 1974

Mr. Fred Stein
Office of Environmental Affairs
U.S. Department of Commerce
Room 4424
Main Commerce Building
14th Street and
Constitution Avenue, N.W.
Washington, D.C. 20230

Re: Environmental Protection Agency
(40 CFR Part 129)
Water Program
Proposed Toxic Pollutant Effluent Standards
Federal Register, Vol. 38, No. 247,
Pages 35388-35395
Thursday, December 27, 1973

Dear Mr. Stein:

Attached for your information is a copy of comments which we have forwarded to the Hearing Clerk, Environmental Protection Agency, in accordance with the Federal Register notice referenced above.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Attachment

bcc: K. W. Easley
D. B. Hosmer

DSW 174535

111

STLCOPCB4049056