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STLCOPCB4047906

DECEMBER

DSW 173386

December 21, 1973

Mr. Henry J. Korp
Deputy Assistant Administrator
for Pesticide Programs
United States Environmental
Protection Agency
Waterside Mall Building
4th and M Streets S.W.
Washington, D.C. 20460

Dear Mr. Korp:

We at Monsanto are well aware, from numerous discussions with you and members of your staff, of your interest and concern relating to the presence of polychlorinated dibenzo-p-dioxins in commercial pentachlorophenol and of the bioeffects, namely chloracne and chick edema, that have been noted when animals are exposed to commercial pentachlorophenol under test conditions.

As a producer of pentachlorophenol, it is our sincere intent to provide for the wood preservation industry a product that will not result in harm to the environment so long as it is properly handled and correctly applied and considering it is a toxic registered product. We have thoroughly reviewed our experience, our customers' experience and the literature, and thus far have not been ablekto find any evidence that the use of currently available commercial pentachlorophenol is resulting in any environmental harm. If your office is aware of any information which refers to environmental damage we sincerely hope you can share it with us.

Lacking any evidence of environmental problems we have proceeded with laboratory scale studies on the challengeable assumption that the absence or presence of chloracne or chick edema effects on test animals may be reasonable indicators of the human handleability and environmental acceptability of pentachlorophenols. These studies have been designed to evaluate the chloracne and chick edema effects of pentachlorophenols made under different chemical processing conditions.

DSW 173387

850

Rabbit ear chloracne bioassays were conducted utilizing the method described by Adams, Irish, Spencer and Rowe (Indust. Med. Section 2, pp. 1-4, 1941). Thirty applications of 0.5 g of an ointment containing 5% of the test material were applied during a six-week period (five applications per week). At the end of the experimental period, the rabbit ears were scored visually and microscopically for evidence of a chloracnegenic response.

Chick edema factor bioassays were conducted utilizing the procedure described in Official Methods of Analysis of the Association of Official Analytical Chemists, Eleventh Edition, Bioassay Method 31, pp. 466-468, 1971. The chick edema factor assay data resulted from studies in which 500 parts per million (ppm) of each test material was incorporated in the semisynthetic test diet fed to chicks for a 21-day test period. Upon completion of the test period, the chicks were sacrificed and the volume of pericardial fluid was quantatively determined.

The following tabulation summarizes the results obtained:

Sample	Rabbit Ear Chloracne Response	Chick Edema Factor Response
A	Minimum Detectable	Negative
B	Minimum Detectable	Negative
C	Minimum Detectable	Negative
D	Detectable	Positive
F	Negative	Negative

The results indicate that process modifications A, B and C produce pentachlorophenols which are essentially equivalent and resulted in a barely detectable change on gross and microscopic examination of experimental tissues in the chloracne bioassay. Further, samples A, B and C were negative in the chick edema factor bioassay at the 500 ppm test level. Sample D produced responses in both bioassays while process F resulted in material that was negative in both tests under comparable conditions.

From this data it appears that experimental materials A, B and C represent improvements over the currently produced commercial material, sample D, and, if they can be duplicated commercially, would contribute significantly toward efforts to reduce the potential for possible occurrences of chloracne and chick edema incidents.

DSW 173388

Our current plans for further study include bioassays at higher concentrations and a full scale plant test to evaluate at least one of the process modifications and its resulting product. This test, which includes equipment alterations, plant demonstration and bioassays, is expected to be completed within four to six months. Any future Monsanto decisions relating to commercialization of the process or further studies will, of course, be influenced by the test results, economic factors, and acceptance by the United States Environmental Protection Agency.

We plan to share with you the results of our studies as they develop. Comments from your office relating to problem definition, test protocols and environmental acceptability of pentachlorophenols will continue to be sought out and appreciated.

Sincerely,

Howard S. Bergen
Business Director
Specialty Products Group

HSB/bt

bcc: H. S. Bergen
W. R. Corey
D. R. Dill
K. W. Easley (3)
T. L. Gossage
W. R. Richard
J. R. Savage
J. F. Stapleton
B. G. Tibbetts
E. P. Wheeler
P. L. Wright

DSW 173389

December 21, 1973

Ms. Jennifer Urquhart 202-296-7500 (814)
National Geographic Society
17th and M Street, S.W.
Washington, D. C. 20036

Dear Ms. Urquhart:

Confirming our recent telephone conversation, Monsanto's decision to withdraw its polychlorinated biphenyl (PCB) products from applications which lead directly to environmental contamination was not an agreement with any agency of the federal government but was voluntarily implemented by Monsanto based on reports that PCBs were being identified in environmental samples.

I have enclosed a copy of a report issued by the Interagency Task Force on PCBs. In this report, you will find references to estimated worldwide production and use quantities. I have also included a recent copy of Monsanto's production and sales information.

Currently, Monsanto sells PCBs only to approved manufacturers of electrical capacitors and transformers. All other former applications have been discontinued.

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 173390

bcc: E. V. John

STLCOPCB4047911

December 21, 1973

Dr. Fred W. Clayton
Chief, Toxicology Information Services
Toxicolory Information Program
National Institute of Health
National Library of Medicine
8600 Rockville Pike
Bethesda, Maryland 20014

Dear Dr. Clayton:

Enclosed is the PCB information which you requested. I hope you find it useful.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

DSW 173391

47

STLCOPCB4047912

December 18, 1973

Mr. J. F. Thompson
Quality Assurance Section
Chemistry Branch
Pesticide & Toxic Substances
Effects Laboratory
United States Environmental
Protection Agency
Research Triangle Park, N.C. 27711

Dear Mr. Thompson:

Your letter of December 7 addressed to Monsanto's Dr. C. H. Russell has been forwarded to me for response relating to your request for Aroclor® samples. The only Aroclor® products currently manufactured by Monsanto, and for which we can supply samples, are Aroclor® 1016, Aroclor® 1221, Aroclor® 1242 and Aroclor® 1254. Monsanto has discontinued the manufacture of all the other Aroclors® requested and the supplies of samples of these products has been depleted.

I have enclosed a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will arrange to have the requested samples forwarded to you.

In response to your request for information relating to the purity of these samples, I have enclosed a copy of the "Typical % Composition of Polychlorinated Biphenyl Products."

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

DSW 173392

WBP/bt
Enc.-2

847

STLCOPCB4047913

W. B. Papageorge - General Offices, B1ND

December 18, 1973

MOULD COAT -- ASARCO
PERTH AMBOY, N. J.

Memo, WBP to RDMcD, 10/15/73

Mr. R. D. McDaniel
B2SJ

Have the Mould Coat specifications been presented to ASARCO for their acceptance as requested in the referenced memo?

W. B. Papageorge

/bt

DSW 173393

746

December 18, 1973

Dr. Mary F. Argus
Seamen's Memorial Research
Laboratory of Tulane University
USPHS Hospital
210 State Street
New Orleans, Louisiana 70118

Dear Dr. Argus:

Dr. Joseph C. Arcos has requested that a sample of Aroclor 1254 be forwarded to you. I have made arrangements to have this sample forwarded to you under separate cover.

As requested, I am enclosing a copy of Monsanto Technical Bulletin O/PL-306A and a table showing the typical properties of Aroclor 1254. I hope you find these interesting and informative.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures-2

cc: Dr. Joseph C. Arcos
U.S.P.H.S.

DSW 173394

Aroclor-1254 S/N 1801
T [illegible] Typical [illegible]

STLCOPCB4047915

December 17, 1973

Mr. Fred E. Ludwig
Sperry Gyroscope Division
Sperry Rand Corporation
Great Neck, New York 11020

Dear Mr. Ludwig:

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 Coolanol 45 which your company purchases from Monsanto. However, you may wish to make your own assessment of our product.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173395

STLCOPCB4047916

December 17, 1973

Mr. F. R. Fezatte
Purchasing Agent
Krannert Division
Georgia Kraft Company
Rome, Georgia 30161

Dear Mr. Fezatte:

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 Scripset® 500 which your company purchases from Monsanto. However, you may wish to make your own assessment of our product.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173396

December 17, 1973

Mr. Martin E. Gilwood
Engineering Chemical Services, Inc.
40 Fulton Street
New Brunswick, New Jersey 08902

Dear Mr. Gilwood:

As requested in your letter of November 16 to our New York office, I have enclosed Material Safety Data Sheets covering Monsanto's Dequest® 2006, Dequest® 2010 and Santobrite®.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures-3

DSW 173397

STLCOPCB4047918

W. B. Papageorge - General Offices, B1ND

December 14, 1973

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

Emerson Eldridge informs me that the plant can produce material described by Goodyear Tire & Rubber Company Specification Code 841, Rev. 2, attached to Mr. M. F. Cachet's letter to you dated October 30, except for the requirement relating to Bag Marking.

By copy of this memo, I suggest that Ed Moore, Roy Herman and Dave Dieterich resolve this particular request.

Will you inform Mr. Cachet that we will comply with the Goodyear specification except for the Bag Marking request, which is still to be resolved.

W. B. Papageorge

/bt

DSW 173398

STLCOPCB4047919

W. B. Papageorge - General Offices, B1ND

December 14, 1973

EPA REGISTRATION

Mr. R. A. Herman
B2SJ

R. S. Baker - B2SB
E. R. Billen - 1740
R. A. Conkin - R4A
P. O. DeGarmo - B3NJ
L. Furrer
L. H. Hannah - R4A
R. C. Maginity - 1560
J. S. Metcalf - B1NC
E. L. Moore - B2SJ
G. D. Nelson - N1A
R. A. Pohl - B2SB
G. R. Sido - G4EC
D. L. Sliney - B2SB
W. F. Symes - N1A
J. C. Weber - B3SB

Effective January 1, 1974, Bob Conkin with Ag. R&D will coordinate all activity relating to the registration of Monsanto products with the Environmental Protection Agency under the Federal Insecticide, Fungicide and Rodenticide Act. This activity has in the past been coordinated by Bob Sido's office.

Products currently registered and of interest to you are as follows:

Name	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

As you know, we are now in the midst of applying for an establishment number as required by recently-announced regulations. For your products, the "establishments" are the Krummrich and Luling plants. Larry Furrer, Ag Manufacturing, is coordinating this activity. Larry will, in the future, also coordinate the reporting of amounts of the registered products produced and the forecasts for future production. These reports are due thirty days after establishment registration and each February thereafter.

By copy of this memo I wish to alert Earl Billen to expect an EPA representative to visit his plant sometime in January. The purpose of this visit is to review the labels and obtain samples of the products listed above.

DSW 173399

W. B. Papageorge

STLCOPCB4047920

W. B. Papageorge - General Offices, B1ND

December 14, 1973

PYROCLORS -- TRANSFORMERS

Mr. W. H. Matthews
5430 - London

Russ Miller informed me of Walter Cline's concerns relating to the continued presence of Pyroclor filled transformers at the Echternach plant. I can appreciate Walt's concerns since I am aware of his unpleasant experience with air compressor fluid leakage into the estuary near the Pensacola, Florida plant. There is, in our opinion, considerable differences in application in that we believe the transformer fluid in the hermetically sealed unit can be controlled and escape to the environment can be prevented, except, of course, under those rare conditions which result in explosions and dispersement of the fluid into the environment.

We have, after considerable deliberation, concluded that the fire resistant features of Pyroclors are highly desirable and the benefits derived far outweigh the occasional mishap which results in environmental contamination. Monsanto, as you know, has withdrawn the sale of these types of materials from all previous applications and has restricted them only to dielectric use such as transformers. When properly handled the fluid should not pose any problems due to topping-off or drain and refill situations. The used transformer fluid should be disposed of by incineration at temperatures exceeding 2000°F. An incinerator capable of achieving these temperatures is available for your use. This unit is located near Essex, England. John Haggart in our Brussels office can give you details.

I am enclosing some reading material which addresses itself to the proper handling and use of these fluids. I hope you find them useful. If I can be of further service, please let me know.

W. B. Papageorge

/bt

Attachments-2

DSW 173400

STLCOPCB4047921

W. B. Papageorge - General Offices, B1ND

December 13, 1973

J. S. Metcalf - B1NC
J. C. Weber - B3SC

PRODUCT SPECIFICATIONS

Dr. P. O. DeGarmo
B3NJ

I concur with your proposed forms for product specifications. Do you plan to have Forms Control set this up as a stock item, replacing the forms previously used?

W. B. Papageorge

/bt

DSW 173401

STLCOPCB4047922

W. B. Papageorge - General Offices, B1ND

December 13, 1973

PENTA, SANTOBRITE --
EPA REGISTRATION

Mr. B. G. Tibbetts
B2SE

H. S. Bergen - B2SL
R. A. Conkin - R4A
P. O. DeGarmo - B3NJ
D. R. Dill - Q2C
L. Furrer -
T. L. Gossage - B2SL
L. H. Hannah - R4A
J. C. Hume - 1740
J. S. Metcalf - B1NC
W. R. Richard - T3A
J. R. Savage - B2SL
G. R. Sido - G4EC
J. C. Weber - B3SC

Effective January 1, 1974, Bob Conkin with Ag. R&D will coordinate all activity relating to the registration of Monsanto products with the Environmental Protection Agency under the Federal Insecticide, Fungicide and Rodenticide Act. This activity has in the past been coordinated by Bob Sido's office.

Products currently registered and of interest to you are as follows:

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

As you know, we are now in the midst of applying for an establishment number as required by recently announced regulations. For your products, the "establishment" is the Krummrich plant. Larry Furrer, Ag Manufacturing, is coordinating this activity. Larry will, in the future, also coordinate the reporting of amounts of the registered products produced and the forecasts for future production. These reports are due thirty days after establishment registration and each February thereafter.

By copy of this memo I wish to alert Jack Hume to expect an EPA representative to visit his plant sometime in January. The purpose of this visit is to review the labels and obtain a sample of the following products: Santobrite, Santobrite S and Penta.

W. B. Papageorge

DSW 173402

/bt

127

STLCOPCB4047923

W. B. Papageorge - General Offices, B1ND

December 13, 1973

PRODUCT ACCEPTABILITY PRACTICES

D. C. Dieterich - 1150
E. L. Moore - B2SJ
R. A. Pohl - B2SB

Mr. J. E. Eldridge
1150 - Camden

Attached are copies of MICC's Product Acceptability Practices Nos. 1 - 4. I send you these since I have no way of knowing if you have previously received copies.

Will you please let me know if you can meet the requirements described in these Practices.

W. B. Papageorge

/bt

Attachments-4

DSW 173403

STLCOPCB4047924

W. B. Papageorge - General Offices, BINC

December 13, 1973

PRODUCT ACCEPTABILITY PRACTICES

L. J. Bolech - 1560
R. C. Maginity - 1560
E. L. Moore - B2SJ
R. A. Pohl - B2SJ

Mr. L. E. Frank
1560 - Luling

Attached are copies of NICC's Product Acceptability Practices Nos. 1 - 4. I send you these since I have no way of knowing if you have previously received copies.

Will you please let me know if you can meet the requirements described in these Practices.

W. B. Papageorge

/bt

Attachments-4

DSW 173404

STLCOPCB4047925

W. B. Papageorge - General Offices, B1ND

December 13, 1973

PRODUCT ACCEPTABILITY PRACTICES

J. DiTommaso - 1410
R. A. Herman - B2SJ
E. L. Moore - B2SJ
R. A. Pohl - B2SB

Mr. L. J. Gilbert
1410 - Everett

Attached are copies of Product Acceptability Practices approved and issued to date.

I send these copies since I have no way of knowing if Joe Metcalf has previously sent you a copy.

After thorough review, will you please let me know if the plant has the resources to fully comply with the requirements listed.

W. B. Papageorge

/bt

Attachments-4

DSW 173405

X24

STLCOPCB4047926

W. B. Papageorge - General Offices, B1ND

December 13, 1973

K. W. Easley
C. Paton
W. R. Richard

David R. Miller
T3F

Following our discussion the other day relating to the possibility of having some of our heat transfer fluids regulated for use in food processing plants, I contacted Warren Easley, who in turn reviewed the general subject with a representative of the FDA.

The FDA, up until now, has not attempted to regulate heat transfer fluid applications. The only known instance of deep concern was related to the use of PCB fluids which, as you know, was precipitated primarily by the Japanese rice bran oil and the North Carolina fishmeal incidents.

In addressing itself to the use of PCB fluids in food processing plants, the FDA prepared environmental impact statements in which the following requirement is quoted:

> "The toxicity and other characteristics of fluids selected as PCB replacements must be adequately determined so that the least potentially hazardous replacement is used. In making this determination with respect to a given fluid, consideration should be given to: (1) its toxicity; (2) the maximum quantity that could be spilled onto a given quantity of food before it would be noticed, taking into account the fluid's color and odor; (3) possible signaling devices in the equipment to indicate a loss of fluid, etc.; and (4) its environmental stability and tendency to survive and be concentrated through the food chain. The judgment as to whether a replacement fluid is sufficiently non-hazardous is to be made on an individual installation and operation basis."

This statement is not intended to imply that the FDA is setting itself up as the final judge regarding the proper selection of fluids. The final judgment remains with the managers of the operation. Good Manufacturing Practices still prevail.

DSW 173406

STLCOPCB4047927

We can, if we wish, submit to the FDA appropriate information and request an opinion. The problem of confidentiality can be handled in spite of Freedom of Information practices. All we need to do is to clearly identify the material we wish to maintain as confidential and give our reasons for this request. If our reasons have merit our request for confidentiality will be respected.

Following a review within FDA a letter expressing official FDA opinion will be prepared. The use of such a letter for promotional purposes falls into somewhat of a gray area. The FDA does not like to have such letters used blatantly, but if used with proper discretion, no serious objections should be expected. If there is any interest in having our products reviewed by FDA, we should first arrange an informal discussion with representatives of the Bureau of Foods prior to submitting our formal request.

Please let me know if the business group is interested.

W. B. Papageorge

/bt

STLCOPCB4047928

December 13, 1973

Mr. Mario Calderon
Chemical Department
Richard O. Custer S.A.
Av. Bolivar 2100-Pueblo Libre
Lima, Peru

Dear Mr. Calderon:

Your request for information relating to the use of Dequest® products in concentrated sugar cane juice has been forwarded to me for response. Our Dequest® products do not have approval from any governmental agency concerned with food and drug regulation. Lacking this approval I do not recommend that you consider using Dequest® products in any application which will result in the presence of these materials in any product intended for human or animal consumption at this time.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

bcc: C. S. Alack - B2SJ
R. T. Haynes - B2SG

DSW 173408

STLCOPCB4047929

December 13, 1973

Mr. Stanley Goldberg
Duro Finishing Corporation
110 Chace Street
Fall River, Massachusetts 02724

Dear Mr. Goldberg:

In response to your letter of November 13 I wish to inform you that Monsanto's Syton® DS-40 is an aqueous colloidal dispersion of silica and is weakly anionic.

Trace metal content expressed as Pb is less than 10 ppm.

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

bcc: R. D. McDaniel - B2SJ
M. H. Ponder - 1650

DSW 173409

831

STLCOPCB4047930

W. B. Papageorge - General Offices, BlND

December 12, 1973 G. J. Levinskas - A2SC

DEFINITIONS --
TOXICOLOGICAL STUDIES

Dr. P. L. Wright
A2SC

As discussed recently, I have been receiving many requests for a layman's definition of expressions used to describe the toxicological properties of our products.

The expressions that come to mind include:

ED	LC
LD	TLm
CD	

I am certain there are other common expressions but I can't recall them at present. Are there any short descriptions of these expressions which ould be made available to adequately define these terms for those of us who are not professionals in this area.

W. B. Papageorge

/bt

DSW 173410

W. B. Papageorge - General Offices, BlND

December 12, 1973 W. R. Richard

MCS 1567 and MCS 1569

Dr. C. Paton
B2SC

I am under the impression that you have offered MCS 1567 and MCS 1569 to customers in commercial quantities. There is no record that EC 202's have been filed for these products and I suggest that someone submit the proper information to the Medical Department and get their approval before you market either of these products.

W. B. Papageorge

/bt

DSW 173411

STLCOPCB4047932

W. B. Papageorge - General Offices, BlND

December 12, 1973

PCB -- IMPORTS

Messrs.

H. S. Bergen
W. R. Corey
K. W. Easley
T. L. Gossage
C. Paton

As you know, we have had some difficulties in getting data from the Tariff Commission regarding the amount of PCBs being imported into the United States.

Recently, Mr. Hans K. Weiss, Foster D. Snell, Inc., told me that the Tariff Commission has given him the following information:

> "Identifiable PCBs imported in 1971 were 641,000 pounds; in 1972 they dropped to 355,000 pounds."

These quantities do not reflect PCBs entering as an integral part of a finished product.

W. B. Papageorge

/bt

DSW 173412

W. B. Papageorge - General Offices, BlND

December 12, 1973

E. V. John - BlNC
J. S. Metcalf - BlNC
E. H. Toombs - 5090
J. C. Weber - B3SC
E. P. Wheeler - A2SA

Dr. Ira D. Hill
NIA

Attached is a letter from Dr. G. Fred Lee which you may find interesting. I have asked Harold Toombs to get copies of the proceedings and Jim Bruce's lecture. I will forward copies to you as soon as I receive them.

W. B. Papageorge

/bt

DSW 173413

827

STLCOPCB4047934

W. B. Papageorge - General Offices, B1ND

December 12, 1973

C. S. Alack - B2SJ
G. N. Hobbs - 1410
R. D. McDaniel - B2SJ
E. L. Moore - B2SJ

Mr. J. DiTommaso
1410 - Everett

Attached is a copy of correspondence from Mr. Wesley N. Brykailo, Shipley Company, indicating acceptance of Dequest 2010 specifications. The characteristics and limits shown are identical to Monsanto's.

W. B. Papageorge

/bt

Attachment

DSW 173414

STLCOPCB4047935

December 11, 1973

Dr. Edward S. Reynolds
Peter Bent Brigham Hospital
721 Huntington Avenue
Boston, Massachusetts 02115

Dear Dr. Reynolds:

I have received your request for Aroclor samples. 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 the available Aroclors 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 173415

835

December 7, 1973

Mr. Milan Malek
Analytical Chemical Section
Alpha Metals, Inc.
56 Water Street
Jersey City, New Jersey 07304

Dear Mr. Malek:

As you have requested enclosed is a copy of Monsanto's Methodology for the Determination of Polychlorinated Biphenyls. I have also enclosed a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will arrange to have the samples forwarded to you.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures-2

DSW 173416

8-21

December 7, 1973

Dr. Victor Humphreys
Burke Research Company
1510 Southwest Thirteenth Court
P. O. Box 2266
Pompano Beach, Florida 33061

Dear Dr. Humphreys:

Enclosed is the copy of Monsanto Technical Bulletin O/PL-306A that you requested I send you. I hope you find it interesting and informative.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

T

DSW 173417

STLCOPCB4047938

December 7, 1973

Mr. R. F. Simmons
Plant Manager
Wood Treating Chemicals Company
5137 Southwest Avenue
St. Louis, Missouri 63110

Dear Mr. Simmons:

Monsanto's Koe Kleffner has informed me of your request for a Material Safety Data Sheet on Biphenyl Tech. Enclosed is a Data Sheet covering this product.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173418

STLCOPCB4047939

December 7, 1973

Mr. H. Goldstein
Manager of Purchases
Witco Chemical Corporation
277 Park Avenue
New York, New York 10017

Dear Mr. Goldstein:

Mr. Wilson F. Souders of Jensen-Souders Associates Inc. has informed me of your need for six copies of the Material Safety Data Sheet covering Monsanto's Santocel® C. Enclosed are six Data Sheets covering this product.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures-6

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

DSW 173419

821

STLCOPCB4047940

bcc: F. B. Klemencic - 1010
R. D. McDaniel - B2SJ

December 7, 1973

Ms. Flo Harmon
Wooster Coatings and Chemicals
A Division of Whittaker Corporation
Post Office Box 382
Wooster, Ohio 44691

Dear Ms. Harmon:

I have been informed by The A. C. Mueller Company that you have not received a reply to your letter of August 17 requesting information relating to Monsanto's Lampblack No. 2.

Enclosed is a copy of my letter of September 11 addressed to Mr. Bernard Edwards of your Company; a copy of which was forwarded to your attention. I hope the attached 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

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

DSW 173420

STLCOPCB4047941

December 7, 1973

Dr. C. F. Jelinek
Division of Chemical Technology
Bureau of Foods
Food & Drug Administration
200 "C" Street S.W.
Washington, D. C. 20204

Dear Dr. Jelinek:

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

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

5 lbs. each
A-1016
A-1221
A-1242
A-1254
$1,800

DSW 173421

919

STLCOPCB4047942

W. B. Papageorge - General Offices, B1ND

December 7, 1973 C. S. Alack - B2SJ

PROCEDURE FOR DEGREE
OF HYDROLYSIS OF EMA

Mr. T. G. Iversen
1650

Enclosed is a copy of the procedure used to determine the degree of hydrolysis of EMA that Charles Alack suggested I send you.

W. B. Papageorge

/bt

Enclosure

DSW 173422

818

STLCOPCB4047943

December 7, 1973

Mr. James W. Hammond
Director, Industrial Hygiene
Exxon Company, U.S.A.
Post Office Box 2180
Houston, Texas 77001

Dear Mr. Hammond:

In response to your letter of November 30, I have enclosed Material Safety Data Sheets covering Monsanto's Pydraul® 30E and Pydraul® 50E.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures-2

DSW 173423

C17

STLCOPCB4047944

December 7, 1973

Mr. Lee A. Bevilacqua
Purchasing Agent
Verona Division of
Baychem Corporation
Bayonne, New Jersey 07002

Dear Mr. Bevilacqua:

As requested in your letter of November 14, 1973 I have enclosed two copies of the Material Safety Data Sheet covering Monsanto's EMA-91.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures-2

DSW 173424

16

STLCOPCB4047945

December 7, 1973

Mr. B. L. MacEwen
Dearborn Chemical Division
Chemed Corporation
300 Genesee Street
Lake Zurich, Illinois 60047

Dear Mr. MacEwen:

As requested in your letter of November 29, 1973 I have enclosed a Material Safety Data Sheet covering Monsanto's DP Solution.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173425

December 7, 1973

Dr. Charles Jones
School of Science and Technology
Chadron State College
Chadron, Nebraska 69337

Dear Dr. Jones:

Your letter of December 3, 1973 requesting Aroclor samples has been forwarded to me for response. I regret to inform you that our supply of Aroclor 4465 has long been depleted and we have no replacement suitable for your particular needs.

I understand that Walter G. McCrone Associates, Chicago, Illinois, and Cargille Labs, Cedar Grove, New Jersey, supplies media for mounting specimens. Perhaps they can be of some assistance to you.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173426

STLCOPCB4047947

December 7, 1973

504-899-3441 ext 331

Dr. Joseph C. Arcos
Research Laboratory
U.S. Public Health Service Hospital
210 State Street
New Orleans, Louisiana 70118

Dear Dr. Arcos:

Enclosed is a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will have the requested 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 173427

STLCOPCB4047948

December 6, 1973

Mr. Samuel C. Laidley
District Manager
McKesson Chemical Company
20575 Center Ridge Road
Rocky River, Ohio 44116

Dear Mr. Laidley:

Your letter of November 6 addressed to Monsanto's Mr. Fred B. Klemencic requesting Materials Safety Data Sheets covering our Santocel® products has been forwarded to me for response. I have enclosed a Material Safety Data Sheet which is applicable to all the Santocel® products.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Mr. F. B. Klemencic
Akron, Ohio

bcc: R. D. McDaniel - B2SJ

DSW 173428

812

STLCOPCB4047949

December 6, 1973

201-328-4482

Dr. J. Richard Hall
Materials Engineering Division
Picatinny Arsenal
Department of the Army
Dover, New Jersey 07801

Dear Dr. Hall:

Enclosed is the copy of Monsanto Technical Bulletin O/PL-306A which I offered to send you. I hope you find it useful and informative.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173429

STLCOPCB4047950

December 6, 1973

Mr. James S. Nelson
General Electric Company
Room 505, Building 36
1 River Road
Schenectady, New York 12345

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

Dr. E. L. Simons
General Electric Company
1 River Road
Schenectady, New York 12345

Gentlemen:

Enclosed is a copy of Monsanto's Presentation to the Effluent Standards and Water Quality Information Advisory Committee.

You will note that for our PCB unit we proposed that a minimum of one pound of PCB losses be permitted for each 100,000 pounds produced. For our plant this would amount to about 1.4 pounds per day. As you know, at the meeting Dr. Al Jennings, E.P.A., informed us that the guidelines which would be published soon will permit only .06 pound per day. I personally believe that this level is negotiable since the E.P.A. has stated for the record that they had no intention of "harming" Monsanto or its customers.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

DSW 173430

WBP/bt

Enclosure

STLCOPCB4047951

W. B. Papageorge - General Offices, BIND

December 6, 1973

C. S. Alack - B2SJ
E. M. Connors - 1550
R. D. Hogue - N1A
R. D. McDaniel - B2SJ

Mr. E. P. Wheeler
A2SA

Attached is a copy of a request from Ajax International Corporation requesting pharmacological and toxicological information on Dequest 2000 and Dequest 2010.

Can someone in the Medical Department respond.

W. B. Papageorge

/bt

Attachment

DSW 173431

STLCOPCB4047952

W. B. Papageorge - General Offices, B1ND

December 6, 1973

PHARMACOLOGY & TOXICOLOGY
EMA-91

C. S. Alack - B2SJ
R. D. McDaniel - B2SJ
G. D. Nelson - N1A

Dr. G. J. Levinskas
A2SC

We have frequently received requests from our customers for toxicological information relating to EMA-91. Can the Medical Department provide us with a toxicity summary statement that we can share with our customers on request.

This need is fairly urgent and a quick response if possible would be appreciated.

W. B. Papageorge

/bt

DSW 173432

W. B. Papageorge - General Offices, BLND

December 6, 1973

EE BUILDING RESIDUE

H. S. Bergen - B2SL
D. B. Hosmer - B1SF
D. E. Munie - 1760
J. F. Stapleton - B2SA
E. P. Wheeler - A2SA

Mr. J. R. Savage
B2SL

The proposed sale of EE building residue containing phenol, half esters, etc. to a processor for reclamation of the phenol and other usable materials was reviewed with Elmer Wheeler and John Stapleton.

We concluded that prior to the sale of this material EC-201 and EC-202 reviews must be made. Further, to assure ourselves that handling and subsequent applications are appropriate, we should attempt to get from the potential customers as much information regarding his operation as we can.

W. B. Papageorge

/bt

DSW 173433

STLCOPCB4047954

December 5, 1973

Mr. Pasquale Lombardo
Chemical Industry Practices Branch (BF-424)
Division of Chemical Technology
Dept. of Health, Education and Welfare
Food and Drug Administration
Washington, D. C. 20204

Dear Mr. Lombardo:

Your request for literature and samples of phosphate esters which you addressed to Paul Graham has been forwarded to me for further response.

I regret to inform you that, other than the isodecyl di-phenyl phosphate for which Mr. Graham offered to send samples and literature, Monsanto does not market the materials you have listed. Therefore, I have no samples to share with you.

I hope this does not seriously inconvenience you and that other suppliers may be able to supply you with the required materials.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173434

STLCOPCB4047955

W. B. Papageorge - General Offices, B1ND

December 5, 1973

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

FLECTO

Memo, HT to EMC, 11/27/73

Mr. E. M. Connors
1550

Attached is a copy of our test method for the determination of Total Volatile in Santocel which Harry Teicher asked I send to you.

W. B. Papageorge

/bt

Attachment

DSW 173435

215

STLCOPCB4047956

W. B. Papageorge - General Offices, B1ND

December 5, 1973

Messrs.

P. G. Benignus - B2SC
H. S. Bergen - B2SL
W. R. Corey - B2SL
K. W. Easley - 1920
T. L. Gossage - B2SL
J. N. Haggart - 5040
D. B. Hosmer - E1SF
E. V. John - B1ND
P. J. A. Marsh - 5040
R. S. Munch - T2B
C. Paton - B2SC
W. R. Richard - T3A
J. R. Savage - B2SL
J. F. Stapleton - B2SA
E. P. Wheeler - A2SA

Attached are copies of communications submitted by General Electric to Dr. Martha Sager, Chairman of the Effluent Standards and Water Quality Information Advisory Committee and to Dr. C. Hugh Thompson, Environmental Protection Agency.

These reports resulted from my discussions with Al Pozefsky, Jim Nelson and Ed Simons of General Electric regarding requests from both Dr. Sager and Dr. Thompson for brief statements describing the economic impact which could result if PCBs were banned or if severe restrictions were imposed which would have the effect of a ban.

It is my understanding that General Electric plans to comment further when the proposed PCB effluent guidelines are published in the Federal Register. Publication of the guidelines was targeted for December 3 but this target was not met. Publication of the guidelines is still expected within the next week or so.

W. B. Papageorge

/bt

Attachment

DSW 173436

804

W. B. Papageorge - General Offices, B1ND

December 5, 1973

SPECIFICATIONS - NISSAN
AMMONIUM POLYPHOSPHATE

In Turn To:

D. C. Dieterich
J. E. Eldridge
W. F. Symes
R. F. Neunuebel
W. B. Papageorge

W. H. Duffey - E1SA
A. R. Handleman - B2SJ
E. L. Moore - B2SJ
R. G. Pier - B2SG
R. Rose - N1A
D. L. Sliney - B2SB
H. Teicher - N1A

PLEASE EXPEDITE

Attached is a revision of the proposed specification for Ammonium Polyphosphate to be purchased from Nisson to augment our Phos Chek P/30 supply. Note that in this version we do not refer to Form I or Form 2 specifically but have chosen to define Crystallinity as determined by x-ray diffraction pattern. The Crystallinity specification effectively limits Form II to a maximum of 20% and excludes significant amounts of Forms III, IV and V.

W. B. Papageorge

WBP/bt

Attachment

DSW 173437

STLCOPCB4047958

December 3, 1973

Mr. R. W. Bitterlich
Purchasing Manager
Farboil Company
Division of Beatrice Foods Co.
8200 Fischer Road
Baltimore, Maryland 21222

Dear Mr. Bitterlich:

A copy of your letter of October 5 has been forwarded to me for response relating to Monsanto's Phos Chek. I have enclosed copies of our Product Specification sheets covering Phos Chek P/30 Fine and Phos Chek P/30 Regular.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures-2

DSW 173438

802

STLCOPCB4047959

December 3, 1973

Mr. Herbert Klohnen
Verona Division
Baychem Corporation
P. O. Drawer 2855 CRS
Rock Hill, S. C. 29730

Dear Mr. Klohnen:

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 EMA-91 which your company purchases from Monsanto. However, you may wish to make your own assessment of our product.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173439

December 3, 1973

Mr. D. D. Johnson
Assistant Purchasing Manager
Textileather Division
The General Tire & Rubber Company
P. O. Box 875
Toledo, Ohio 43601

Dear Mr. Johnson:

Your letter of November 14 requesting a Material Safety Data Sheet covering Monsanto's Santocel® 62LV has been forwarded to me for response. I have enclosed a data sheet covering this product on the OSHA-20 form. 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

Enclosure

bcc: R. D. McDaniel

DSW 173440

December 3, 1973

Mr. Samuel C. Laidley
District Manager
McKesson Chemical Company
26601 Richmond Road
Bedford Heights, Ohio 44146

Dear Mr. Laidley:

In response to your letter of November 13 I have enclosed a copy of my letter of October 19 in which I forwarded to you copies of Critical Materials Register sheets covering Monsanto's Santocel 62 and Santocel FRC. I hope the attached 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-3

cc: F. B. Klemencic
Akron

DSW 173441

STLCOPCB4047962

December 3, 1973

Mr. John W. Porter
Naval Underwater Systems Center
Newport Laboratories
Newport, Rhode Island 02840

Dear Mr. Porter:

As you have requested, enclosed is a copy of Monsanto's methodology for the determination of polychlorinated biphenyls and a sample request form. If you will complete the enclosed form and return it 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

Enclosures-2

DSW 173442

STLCOPCB4047963

NOTEMARK

DSW 173443

November 28, 1973

Dr. Conrad P. Straub
Room 1112
Mayo Memorial Hospital
University of Minnesota
Minneapolis, Minnesota 55455

Dear Dr. Straub:

As requested in your letter of November 14 I recommend you contact the following individuals who are knowledgeable of PCBs and their environmental effects and may be in a position to prepare a critical review of the problem.

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

Mr. Ian C. T. Nisbet
Research Department
Massachusetts Audubon Society
South Great Road
Lincoln, Massachusetts 01773

Mr. David B. Peakall
Section of Ecology and Systematics
Division of Biological Sciences
Cornell University
Ithaca, New York 14850

Dr. Adel F. Sarofim
Associate Professor of Chemical Engineering
Department of Chemical Engineering
Massachusetts Institute of Technology
Building 12-188
Cambridge, Massachusetts 02139

DSW 173444

777

I hope one of these capable individuals can be of assistance to you.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173445

November 27, 1973

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

Dear Lynn:

Thanks for the copies of the proposed Senate Bill (S.1888). I have attached copies of the Bill as finally passed by Congress (Public Law 93-86) on August 19, 1973. You will note that the wording has been altered and contaminants such as PCBs are not covered.

I thought you might be interested.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173446

STLCOPCB4047967

W. B. Papageorge - General Offices, B1ND

November 27, 1973

PRODUCT SPECIFICATION --
SILESTER OS - REMET CORP.
PRECISION CASTPARTS CORP.

J. DiTommaso - 1410
N. G. Hobbs - 1410
R. D. McDaniel - B2SJ
E. L. Moore - D2SJ
H. Teicher - N1A

Mr. E. M. Connors
1550

The specifications submitted by Precision Castparts have been reviewed and we have concluded the following:

Specification TA-1-a is the Union Carbide specification for their Ethyl Silicate 40.

Specification TA-1-a(3) is an attempt to write a specification which will apply to our Silester OS.

Will you forward to Mr. Fred J. White, Remet Corporation, the comments that Monsanto's Silester OS can meet the specifications proposed under TA-1-a(3).

W. B. Papageorge

/bt

DSW 173447

795

STLCOPCB4047968

W. B. Papageorge - General Offices, B1ND

November 27, 1973 C. S. Alack - B2SJ

DEQUEST® 2010 IN
POTABLE WATER SYSTEMS

Dr. G. J. Levinskas
A2SC

May I have your comments relating to sharing data with Western Chemicals and your opinion relating to the use of 2-3 ppm active HEDP in potable water.

W. B. Papageorge

/bt

DSW 173448

STLCOPCB4047969

November 27, 1973

Mr. Thomas Kopp
Office of Toxic Substances
Environmental Protection Agency
401 "M" Street S.W.
Washington, D.C. 20460

Dear Mr. Kopp:

Enclosed is a copy of the Monsanto presentation to the Interdepartmental Task Force on PCBs which I offered to send you. I hope you find it useful.

If you need additional copies, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173449

November 27, 1973

Mr. Rolf G. Krause
Manager, Quality Assurance
Shipley Company, Inc.
2300 Washington Street
Newton, Massachusetts 02162

Dear Mr. Shipley:

Your letter dated October 15, as well as your letter dated November 7, regarding Dequest® 2010 has been forwarded to me by Monsanto's Mr. C. H. Russell. I regret and apologize for the delay in responding.

I have reviewed your proposed specifications and find that we can comply as relates to Description, Assay and pH. We cannot, however, meet your specification relating to Specific Gravity because we do not measure this property. We have found from experience that the Assay determination adequately characterizes this material. Hopefully, the lack of a Specific Gravity measurement does not seriously affect your application.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

bcc: C. S. Alack - B2SJ
J. DiTommaso - 1410
N. G. Hobbs - 1410
R. D. McDaniel - B2SJ
E. L. Moore - B2SJ

DSW 173450

STLCOPCB4047971

W. B. Papageorge - General Offices, EHD

November 26, 1973

PROCEDURE FOR DEGREE OF HYDROLYSIS OF EMA

L. E. Frank - 1560
Shengen Hu - N1A
T. G. Iversen - 1610
R. D. McDaniel - E2SJ
E. L. Moore - E2SJ
G. D. Nelson - N1A

Mr. C. S. Alack
E2SJ

The procedure used by Central Research to determine the degree of hydrolysis of EMA has been forwarded to the Chief Chemist at Luling by Ed Moore. The plant will evaluate this procedure prior to granting manufacturing approval. Hopefully, this evaluation will be completed as quickly as possible.

I suggest that a copy of this procedure be forwarded to Polaroid for their comment and review.

W. B. Papageorge

/bt

DSW 173451

STLCOPCB4047972

W. B. Papageorge - General Offices, BlND

November 26, 1973

PCBs -- U.S.A.

Telex, SF to WBP, 11/7/73

Mr. S. Fujii
5260 -- MMK

My response to the two questions raised in your telex is as follows:

1. What fields of application was and is PCB used for?

   Prior to 1970 the applications for PCBs were those listed on page 294 of the attached article from the ENCYCLOPEDIA OF CHEMICAL TECHNOLOGY. Currently, PCBs are sold only to manufacturers of transformers and capacitors in which the PCBs are present as dielectric fluids.

2. Under what conditions are PCBs used in secondary and tertiary PCB-related products?

   The transformers and capacitors containing PCBs may be used in any applications as long as the product is located in such a manner that accidental leakage or spillage will not result in the direct contamination of food or animal feed products.

W. B. Papageorge

/bt

Attachment

DSW 173452

790

STLCOPCB4047973

W. B. Papageorge - General Offices, EHD

November 26, 1973

PCB STATISTICS FOR OECD

Telex, JMH to WBP, 11/6/73

H. P. Bergen - MSL
W. N. Corey - MSL
T. L. Gossage - MSL
J. J. A. Marsh - 5040
C. Paton - MSC

Mr. J. N. Haggart
5040 - Brussels

A copy of my letter to Mr. Lowell Miller of the U.S. E.P.A. in which I comment on a proposed OECD PCB questionnaire may be shared with Mr. Ian Presst of the U.K. Department of Environment.

I have not received any comments from the Canadian OECD representative but I have received unconfirmed reports that the Canadian representative has discussed the form with Mr. Lowell Miller.

Monsanto's policy towards OECD statistics questionnaire is as follows:

> We will work with the appropriate OECD representatives in an effort to influence the design of the questionnaire to avoid any request for confidential information. We recognize that this objective may be very difficult to achieve. Once the questionnaire is developed, we propose to answer the questions truthfully but we do not plan to divulge customers by name and location, amounts shipped to these customers, and customer end use information. Also, we will not divulge proprietary information relating to the PCB alternatives such as Santotherm, Pydraul and Santosols.

W. B. Papageorge

/bt

DSW 173453

789

STLCOPCB4047974

W. B. Papageorge - General Offices, B1ND

November 26, 1973

AIRCO SPEER
LAMPBLACK #2 SPECIFICATION

Messrs,

D. C. Dieterich - 1150
J. E. Eldridge - 1150
R. A. Herman - B2SJ
F. B. Klemencic - 1010
D. Oosthuizen - G4NN

In a call report dated November 5, 1973, F. B. Klemencic informs us that Airco Speer has formally agreed to our Lampblack No. 2 specification. A copy of this specification is attached for your files.

W. B. Papageorge

/bt

Attachment

DSW 173454

778

STLCOPCB4047975

Monsanto

OUTGOING MESSAGE BLANK
Tele-Communications System

DATE 11/26/73 | TIME 12:30 | SENDER'S ACCOUNT NO. 47-000-735.40

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

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

MR. TERRY McCOY
MOTOROLA
PHOENIX, ARIZONA

HAVE MADE TWO SINGLE RESERVATIONS FOR NIGHT OF WEDNESDAY, NOVEMBER 28, FOR JAMES CONWAY AND ROBERT HAYES AT STOUFFER'S RIVERFRONT INN, 200 S. FOURTH, ST. LOUIS, 314-241-9500.

W. B. PAPAGEORGE
MONSANTO CO.
ST. LOUIS, MO.

787

IN-IR REV. 7-64

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

DSW 173455

STLCOPCB4047976

W. B. Papageorge - General Offices, B1ND

November 26, 1973

PHOS CHEK DAP
BEATRICE FOODS

R. A. Herman - B2SJ
J. M. Kuenz - 1180
G. J. Levinskas - A2SC
D. Oosthuizen - G4NN

Mr. E. P. Wheeler
A2SA

We have received a request for toxicological information on Phos Chek DAP (diammonium phosphate). I have found nothing in my files, Can you help?

W. B. Papageorge

/bt

DSW 173456

786

STLCOPCB4047977

W. B. Papageorge - General Offices, BlND

November 26, 1973

INFORMATION REQUEST --
NANOGENS

Ms. Eileen Johann

The materials; delachlor, butachlor and acetochlor; are not marketed by MICC, Functional Products Groups. I personally know nothing about any of these, therefore, I can be of no help to Mr. Packer.

W. B. Papageorge

/bt

DSW 173457

W. B. Papageorge - General Offices, B1ND

November 26, 1973

CUSTOMER SPECIFICATIONS FOR
DEQUEST® 2005DN and 2051

Messrs.

C. S. Alack - B2SJ
J. DiTommaso - 1410
R. D. Hogue - N1A
T. M. King - B2SJ
R. D. McDaniel - B2SJ
J. F. Murphy - 1410
S. Vazopolos - N1A

Attached are tentative Customer Specifications for Dequest® 2005DN and 2051. This information will be shared with customers upon request.

W. B. Papageorge

/bt

Enclosures

DSW 173458

784

STLCOPCB4047979

W. B. Papageorge - General Offices, B1ND

November 21, 1973

CUSTOMER SPECIFICATIONS FOR
DEQUEST® 2041, 2042 and 2044

Messrs.

C. S. Alack - B2SJ
J. DiTommaso - 1410
R. D. Hogue - N1A
R. D. McDaniel - B2SJ
J. F. Murphy - 1410
S. Vazopolos - N1A

We recently reviewed the product specifications which we share with customers for Dequest® 2041, 2042 and 2044. Attached are revised specifications resulting from this review. This is the information which, upon request, will be shared with customers.

W. B. Papageorge

/bt

Attachments

DSW 173459

STLCOPCB4047980

November 21, 1973

Dr. Gerald E. Gunning
Department of Biology
Tulane University
New Orleans, Louisiana 70118

Dear Dr. Gunning:

Your letter of November 6 addressed to Mr. J. T. Bell at Monsanto's Anniston plant has been forwarded to me for response.

Attached is Monsanto's methodology as you requested. Please feel free to use this publication as you deem appropriate.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Mr. J. T. Bell
Anniston

DSW 173460

STLCOPCB4047981

W. B. Papageorge - General Offices, B1ND

November 20, 1973 J. S. Metcalf - B1NC

Mr. J. E. Maurer
E1SA

Please review the attached statement in light of the contract with Professor G. Fred Lee dated September 12, 1972. Dr. Lee spent one day at our General Offices on October 3; a date that he requested in lieu of a meeting previously scheduled for September 26.

W. B. Papageorge

/bt

Attachment

DSW 173461

STLCOPCB4047982

November 20, 1973

Dr. C. F. Jelinek, Director
Division of Chemical Technology
Bureau of Foods
Food & Drug Administration
200 "C" Street S.W.
Washington, D.C. 20204

Dear Dr. Jelinek:

As you have requested, enclosed is the sample request form. If you will return the completed form to me I will arrange to have the requested 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 173462

STLCOPCB4047983

W. B. Papageorge - General Offices, BLND

November 19, 1973

PYDRAUL QUALITY CONTROL

H. S. Bergen - B2SL
P. F. Gatens - 1760
W. R. Richard - T3A
J. R. Savage - B2SL

Mr. R. A. Geisman
1760 - Queeny

In the MICC Research and Development Monthly Summary for October 1973, the following statement is included under the "Specialty Products" section:

> "Subnormal quality control, spurred in part by sales 60% in excess of budget, has contributed as well."

Will you please have someone summarize the quality control problems experienced during this period, including the incidents when off-quality material was shipped, indicating the individual whose approval was given prior to release of the shipment.

W. B. Papageorge

/bt

DSW 173463

STLCOPCB4047984

W. B. Papageorge - General Offices, BlND

November 19, 1973

MICC ANNUAL MANAGEMENT MEETING

Dr. I. D. Hill
NlA

As requested, I have listed below for the Functional Products Groups the "new applications or new products now being developed in response to an existing or impending environmental, consumer or regulatory crisis."

New Products:

- Non-metallic cooling water corrosion inhibitors to replace chromates.
- Non-oxidizing biocide for cooling water to replace phenols, metallics, etc.
- Durable fire retardant finishes for textiles used in sleepwear.
- Replace cresyl diphenyl phosphate and tricresyl phosphate with butyl phenyl diphenyl phosphate in Pydraul 29ELT and Pydraul 30E.
- Develop replacement products for Aroclor 1016 used in capacitors.

New Applications:

- Organo-phosphorous compounds to replace cyanides in electroplating baths.
- Pydraul in plastic molding machines, off-road machines, tractor transmissions.
- EVCl in carpets, mattress covers, hospital non-wovens, upholstery, draperies.
- Retention aids (RPC 1600) - BOD reduction of repulped paper.

W. B. Papageorge

/bt

DSW 173464

STLCOPCB4047985

November 19, 1973

Mr. Phillip Wisman:
EPA Information Center
Environmental Protection Agency
Washington, D.C. 20460

Dear Mr. Wisman:

Will you please forward to me as they become available, the following information which relates to the wood preservation industry:

1. Proposed water effluent guidelines

2. The development document for veneer, plywood, hardboard and preservation industry

3. The economic study which supports the economic impact analysis.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173465

STLCOPCB4047986

November 16, 1973

Mr. G. N. Covill
Purchasing Research
The West Bend Company
West Bend, Wisconsin 53095

Dear Mr. Covill:

Your letter dated October 31 and addressed to Monsanto's Dr. R. E. Kelly was forwarded to me for response.

Polychlorinated biphenyls are not used as raw materials nor are they present in the equipment used in the manufacture of Therminol® 66. To the best of our knowledge and belief polychlorinated biphenyls are not present in the Therminol® 66 purchased by your company from Monsanto.

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: Dr. R. E. Kelly

DSW 173466

776

STLCOPCB4047987

November 16, 1973

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

Dear Al:

Enclosed is the information relating to treatment of PCB plant effluents by carbon adsorption. Since this information has never been published, please use it for your internal needs only.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

Anniston R & D Reports
Anodes Pollution Study
Report No. 1 dated 1-15-71
" " 2 " 4-15-71
" " 3 " 8-22-71

DSW 173467

77

STLCOPCB4047988

Monsanto

OUTGOING MESSAGE BLANK
Telecommunications System

DATE 11/16/73 | TIME 11:30 | SENDER'S ACCOUNT NO. 47-000-735.40

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

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

S. TUROVER
BRUSSELS

I UNDERSTAND THE SWISS GOVERNMENT IS CONSIDERING NEW LAWS OR STANDARDS RELATING TO TOXIC SUBSTANCES INCLUDING PCBS. CAN WE GET COPIES OR SUMMARIES OF THESE PROPOSED LAWS?

W. B. PAPAGEORGE
ST. LOUIS

cc: C. Paton

774

IN-IR REV. 7-64

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

DSW 173468

November 15, 1973

Mrs. Jane Hames
Information Specialist
B&M Library
Polysar Limited
Sarnia, Ontario
Canada

Dear Mrs. Hames:

I have received a copy of your letter dated October 26 requesting a Material Safety Data Sheet covering Monsanto's Syton® EZ-50. Enclosed is 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

bcc: R. D. McDaniel

DSW 173469

STLCOPCB4047990

November 14, 1973

Mr. L. M. Argueso, Jr.
M. Argueso & Co., Inc.
441 Waverly Avenue
Mamaroneck, New York 10543

Dear Mr. Argueso:

Thank you for your letter of November 7 in which you described your concerns and activities relating to the use of polychlorinated biphenyls as a filler in casting waxes for the investment casting industry.

I, too, share your concerns and I am deeply disturbed by the inference in the Yates Manufacturing Company letter that Monsanto concurs with the use of decachlorobiphenyl in casting waxes. Monsanto did produce decachlorobiphenyl in very small quantities about 20 years ago. At no time was this material sold to formulators of casting waxes and Monsanto has never recommended that decachlorobiphenyl be utilized for this purpose.

Mr. R. J. Metzler of Yates Manufacturing Company had indeed called me to discuss the availability of polychlorinated terphenyls for his application. He specifically asked if the use of polychlorinated terphenyls was illegal and I told him I knew of no law that regulated these materials. I also informed him that, because of environmental considerations, Monsanto strongly recommended that this use be discontinued.

Monsanto Company's position, based upon environmental considerations, is that polychlorinated biphenyls and polychlorinated terphenyls should not be present in casting waxes. Monsanto no longer manufacturers polychlorinated terphenyls and has voluntarily restricted its sales of polychlorinated biphenyls solely to the dielectric industry for use in capacitors and transformers.

DSW 173470

STLCOPCB4047991

I hope my comments are of some assistance to you. If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

bcc: H. S. Bergen
W. R. Corey
T. L. Gossage
C. Paton
J. F. Stapleton

STLCOPCB4047992

November 14, 1973

Dr. G. Fred Lee
919 Park Lane
Bryan, Texas 77801

Dear Fred:

Listed below are the names and mailing addresses of the officers of the chemical association you requested.

Manufacturing Chemists Association (MCA)
1825 Connecticut Avenue N.W.
Washington, D.C. 20009

President: William J. Driver

Vice President/Secretary-Treasurer: James R. Carnes

Synthetic Organic Chemical Manufacturers Association
1075 Central Park Avenue
Scarsdale, New York 10583

Executive Secretary: Ronald A. Lang

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173472

STLCOPCB4047993

W. B. Papageorge - General Offices, B1ND

November 13, 1973

PCB STATISTICS FOR OECD

W. R. Corey - B2SL
T. L. Gossage - B2SL
C. Paton - B2SC

Mr. H. S. Bergen
B2SL

Attached is a copy of a wire from John Haggart in which he requests a definition of Monsanto's policy relating to requests from OECD for PCB information.

I propose that we respond to John that we will work with the appropriate OECD representatives in an effort to influence the design of the questionnaire to avoid any request for confidential information, recognizing that this objective may be very diffidult to achieve. Once the questionnaire is developed, we propose to answer the questions truthfully but do not plan to divulge customer names and locations, amounts shipped to these customers or proprietary information relating to the PCB alternatives such as Therminols, Pydrauls and Santosols.

Does this adequately describe our policy?

W. B. Papageorge

/bt

Attachment

DSW 173473

W. B. Papageorge - General Offices, B1ND

November 13, 1973

TOXICITY STUDY COSTS

R. S. Baker - B2SB
H. S. Bergen - B2SL
W. R. Corey - B2SL
S. R. Hinds - B2SB
A. J. Koenig - B2SK
W. R. Richard - T3A
W. F. Symes - N1A

Mr. R. E. Beal
B2SL

Attached is a summary of cost comparisons for toxicity studies reflecting an increase of at least 10% during the past year.

I hope this list is responsive to your request for this type of information. If it is inadequate, please let me know.

W. B. Papageorge

/bt

Attachment

DSW 173474

STLCOPCB4047995

W. B. Papageorge - General Offices, B1ND

November 13, 1973 P. S. Park - B2SA

JOHNSON MOTORS PURCHASE
ORDER FOR PYDRAUL 50E

Mr. G. F. Fague
B2SC

I have reviewed Johnson Motor's proposed Addendum No. 29 and, from my understanding of the standard established under the U.S. Occupational Safety and Health Act and the Illinois Health and Safety Act, Monsanto is in no position to insure that our Pydraul 50E is handled, stored and used in such a manner that Johnson Motor's employees are properly safeguarded as required by these Acts.

I, therefore, strongly recommend that we do not agree to this proposed condition.

W. B. Papageorge

/bt

DSW 173475

-10

STLCOPCB4047996

November 13, 1973

Mr. Norman M. Kahn
Graduate School of Oceanography
Narragansett Bay Campus
University of Rhode Island
Kingston, Rhode Island 02881

Dear Mr. Kahn:

I have been informed of your request for a copy of Monsanto's Technical Bulletin O/PL-306A and have enclosed a copy of this publication. I hope you find it interesting and informative.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173476

STLCOPCB4047997

November 12, 1973

Dr. John Edgar French
Physiology Division
Experimental Pathology Department
Armed Forces Radiobiology
Research Institute
Defense Nuclear Agency
Bethesda, Maryland 20014

Dear Dr. French:

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

I regret I cannot provide samples of polychlorinated terphenyls 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

A-1221
A-1254 } S/N 1799

DSW 173477

STLCOPCB4047998

November 7, 1973

Dr. James S. Taylor 216-229-2200 ext. 692
Cleveland Clinic
9500 Euclid Avenue
Cleveland, Ohio 44106

Dear Dr. Taylor:

Dr. George Levinskas has informed me of your request for a copy of Monsanto's bulletin O/FF-1. I regret to inform you that this bulletin has been out of print for several years and copies are no longer available. I have enclosed a copy of Monsanto Technical Bulletin O/PL-306A, which contains the same physical and chemical property information that appeared in O/FF-1. I hope this information fulfills your current needs.

As you know, Monsanto no longer manufactures all of the Aroclors described in this bulletin and will sell its PCB products to approved manufacturers of electrical transformers and capacitors.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Dr. G. J. Levinskas

DSW 173478

T

765

STLCOPCB4047999

W. B. Papageorge - General Offices, B1ND

November 6, 1973

FIRE RESISTANT FLUIDS

H. S. Bergen - B2SL
T. L. Gossage - B2SL
W. R. Richard - T3A

Dr. C. Paton
B2SC

In preparation for the MICC Annual Management Meeting, I have been asked to prepare a brief report of Monsanto's success story in developing and commercializing fire resistant fluids (Pydrauls and Skydrols) and successfully developing alternative fluids when faced with an environmental challenge. This story is intended as an example of Monsanto's ability to take commercial advantage of an adverse situation.

Do you have in your files pertinent information that could be used in preparing this summary?

W. B. Papageorge

/bt

DSW 173479

764

STLCOPCB4048000

W. B. Papageorge - General Offices, B1ND

November 6, 1973

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

Messrs.

W. R. Richard - T3A
W. F. Symes - N1A
J. L. Wikoff - B2SL
J. J. Zeman - B2SB

In preparing for the MICC Annual Management Meeting to be held December 13, I have been asked to prepare a list of "new applications or new products now being developed in response to an existing or impending environmental, consumer or regulatory crisis."

Will each of you submit to me candidates for such a list.

W. B. Papageorge

/bt

DSW 173480

7163

STLCOPCB4048001

W. B. Papageorge - General Offices, B1ND

November 6, 1972

DEQUEST ECOLOGY STUDIES

Memo, WBP to EKB, 8/15/73

Dr. W. F. Symes
N1A

C. S. Alack - B2SJ
R. S. Baker - B2SB
R. D. Hogue - N1A
G. J. Levinskas - A2SC
R. D. McDaniel - B2SJ
D. L. Sliney - B2SB
E. P. Wheeler - A2SA

In the referenced memo, I recommended to Ken Brakebill metabolism studies, fish accumulation studies and reproduction studies involving some of the Dequest products.

These studies were proposed with the help of George Levinskas and are considered to be the minimum that we should undertake at this time.

Thus far, the Medical Department has not received instructions to begin the studies and, with Ken Brakebill's reassignment, I am concerned that perhaps adequate attention is not being given to this recommendation. I strongly recommend that this work be started. We should continue to keep our options open for further studies; probably beginning in 1974.

W. B. Papageorge

/bt

DSW 173481

762

STLCOPCB4048002

W. B. Papageorge - General Officer, B1ND

November 5, 1973

J. T. Garrett - A2SA
I. D. Hill - N1A
D. B. Hoemer - E1SF
J. E. Maurer - E1SA
C. W. Roos - B2SA

Mr. J. S. Metcalf
B1NC

Attached is a copy of a recent letter from Dr. G. Fred Lee in which he expresses an interest in renewing his consulting arrangement with Monsanto. You will note he is also proposing that Monsanto should establish an unrestricted grant at Texas A&M for Dr. Lee's use.

As discussed, will you please pursue both of these matters with Dr. Lee.

W. B. Papageorge

/bt

Attachment

DSW 173482

761

STLCOPCB4048003

November 5, 1973

Dr. G. Fred Lee
919 Park Lane
Bryan, Texas 77801

Dear Fred:

Your letter dated October 23 in which you discussed your agreement with Monsanto and proposed a grant to Texas A&M has been forwarded to Mr. Joe S. Metcalf, the Manager of Product Acceptability for Monsanto Industrial Chemicals Company. Joe will work with you on your proposals.

We would like very much to pay all of our financial commitments for 1973 prior to the end of the year. Will you please forward to me as soon as possible your invoice covering your visit with us on October 3.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

cc: Mr. J. S. Metcalf
St. Louis

DSW 173483

-71-

STLCOPCB4048004

W. B. Papageorge - General Offices, SLHD

November 5, 1973

W. R. Corey - B2SL
K. W. Easley - 1920

PROPOSED EPA REGULATION -
PESTICIDE PRODUCTION
AND DISTRIBUTION

Messrs.

R. S. Baker
R. A. Pohl
D. L. Olney
J. K. Stephens
W. P. Symes
S. R. Hinds

Attached is a copy of a proposed regulation which appeared in the Federal Register dated October 25, 1973.

Special Chemical Systems Group products which are registered and would be affected by this regulation are the ACLs and CDQ.

If we desire to comment on this regulation, comments must be submitted prior to November 26.

W. B. Papageorge

/bt

Attachment

DSW 173484

159

STLCOPCB4048005

W. B. Papageorge - General Offices, SIRD

November 5, 1973

W. R. Corey - M2IL
K. W. Easley - 1920

PROPOSED EPA REGULATION -
PESTICIDE PRODUCTION AND
DISTRIBUTION

Messrs.

H. E. Bergen - M2IL
A. J. Koenig - M2SK
E. M. Potter - M2NK
W. N. Richard - T3A
J. R. Savage - M2IL
T. L. Gossage - B2SL

Attached is a copy of a proposed regulation which appeared in the Federal Register dated October 25, 1973.

Specialty Products Group products which are registered and would be affected by this regulation are Fonta and Santobrite.

If we desire to comment on this regulation, comments must be submitted prior to November 26.

W. B. Papageorge

/bt

Attachment

DSW 173485

7-5

STLCOPCB4048006

W. B. Papageorge - General Offices, B1ND

November 9, 1973

K. W. Easley - 1920
O. B. Sido - G4EC
E. P. Wheeler - A2SA

PROPOSED EPA REGULATION -- PESTICIDE PRODUCTION AND DISTRIBUTION

Messrs.

P. O. DeGarmo - B3NJ
J. S. Metcalf - B1NC
J. C. Weber - B3SC

Attached is a copy of a proposed EPA regulation as it appeared in the Federal Register dated October 25, 1973. Comments relating to this proposal must be filed prior to November 26.

NICC products which are registered as pesticides are as follows:

ACL	Santobrite
CDQ	Santocolor
Chlorine	Santophen 1
Penta	TCC

W. B. Papageorge

/bt

Attachment

DSW 173486

STLCOPCB4048007

W. B. Papageorge - General Offices, BlND

November 1, 1973

Messrs.

P. O. DeGarmo
B. G. Tibbetts-

On Monday, November 19, Dr. Edward Lawless, Midwest Research Institute, Kansas City, Missouri, will visit Monsanto to discuss the production and distribution of Pentachlorophenol and para-Dichlorobenzene.

Room B-367-S has been reserved for these discussions. Will each of you inform the appropriate people in your organization who, in your opinion, should participate in these discussions. The Penta discussions are scheduled for 10:00 a.m. and the para-Dichlorobenzene discussions are scheduled for 1:00 p.m.

W. B. Papageorge

/bt

DSW 173487

ACCEPTED

DSW 173488

W. B. Papageorge - General Offices, B1ND

October 31, 1973 C. R. Williams - B2SG

MCC-100, MCC-200 & MCC-300
J. P. STEVENS & CO., INC.

Dr. W. F. Symes
N1A

On June 1 we received a request from J. P. Stevens for information on our development products MCC-100, MCC-200 and MCC-300. Since my files did not contain the requested information and, not knowing who in your department was directly involved, I requested from you in a memo dated July 16 any information your department might have. As yet, I have not received a response from anyone. I believe we owe J. P. Stevens an answer and since so much time has elapsed it is becoming more embarassing.

Can you help?

W. B. Papageorge

/bt

DSW 173489

755

STLCOPCB4048010

bcc: C. S. Alack - B2SJ
Mary Johnson - 1650
R. C. Richardson - 1650
S. Vazopolos - N1A

October 31, 1973

Mr. Robert J. Fenner
Manager of Purchasing
Consumer Products Division
American Cyanamid Company
Wayne, New Jersey 07470

Dear Mr. Fenner:

In my letter dated September 7 in which I responded to your questionnaire relating to the microbiological susceptability of Monsanto's Monset (EMA-91), I offered to obtain further information in response to your question No. 1.

I have discussed further the stability of the dry product with a representative of our Research Department and he informs me that all of our available information indicates that as long as the material is kept moisture free it remains very stable.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173490

STLCOPCB4048011

October 31, 1973

Mr. William G. Ewald
EXP-P
Armed Forces Radiobiology
Research Institute
Defense Nuclear Agency
Bethesda, Maryland 20014

Dear Mr. Ewald:

In response to your letter of October 19 requesting Aroclor samples for toxicity studies, I have enclosed a sample request form. If you will complete this form and return it to me I will arrange to have Aroclor samples forwarded to you. The only Aroclors still available are Aroclor 1221, Aroclor 1242 and Aroclor 1254.

I cannot supply samples of the pure isomers of polychlorinated biphenyls as we do not have these. I suggest you contact Analab[illegible] Inc., 80 Republic Drive, North Haven, Connecticut 06473.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173491

STLCOPCB4048012

October 31, 1973

Mr. Paul Eastman
E. I. duPont de Nemours
Circleville, Ohio 43113

Dear Mr. Eastman:

Enclosed is the information I offered to send. I hope it is helpful in your efforts to dispose of your collection of scrap polychlorinated biphenyls (PCBs).

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

T, BB
Disposal Letter
Kabel

DSW 173492

October 30, 1973

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

Dear Dr. Ecobichon:

As you requested, attached is the available information on the isomeric content of Monsanto's Aroclor products. I regret that I do not have the composition of Aroclor 1260 but I understand that it contains about 70% of the hexa-chlorobiphenyl and higher homologs.

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

WBP/bt

Attachments

DSW 173493

751

STLCOPCB4048014

W. B. Papageorge - General Offices, B1ND

October 30, 1973

RAW MATERIAL SPECIFICATION
BENZOYL PEROXIDE - DRY

C. S. Alack - B2SJ
E. L. Moore - B2SJ
O. D. Nelson - N1A
J. Q. Snyder - N1A
S. Vazopolos - N1A

In turn to:

L. E. Frank - 1560
R. E. Maginity - 1560
W. F. Symes - N1A
R. F. Neunuebel - E1SD
W. B. Papageorge - B1ND

Attached is the revised specification for Benzoyl Peroxide Dry indicating Noury Chemical as an alternate supplier.

Please indicate your approval by signing in the appropriate space.

W. B. Papageorge

/bt

Attachment

DSW 173494

7 2 0

W. B. Papageorge - General Offices, B1ND

October 30, 1973

PHOSPHATE ESTER CONTENT -
HYDRAULIC FLUIDS - G.M.

Memo, REH to WBP, 10/19/73

Mr. R. E. Hatton
B2SC

H. S. Bergen - B2SL
G. F. Fague - B2SC
T. L. Gossage - B2SL
D. L. Mellon - 1010
C. Paton - B2SC
W. R. Richard - T3A
W. H. Slowikowski - 1010
L. R. Stark - W4A

As discussed last Friday, I recommend that in responding to General Motors request for information relating to the amount of ortho-tricresyl phosphate contained in our Pydraul® fluids, we share with General Motors the limited information we have. We can state that "ortho-cresyl phosphate is present as a contaminant at less than ___%" and that the "ortho-tricresyl phosphate" content cannot be determined because of the lack of a sensitive analytical procedure.

W. B. Papageorge

/bt

DSW 173495

STLCOPCB4048016

W. B. Papageorge - General Offices, B1ND

October 30, 1973

METHODOLOGY FOR DETERMINING PCBs IN THERMINOL® 66

G. F. Fague - B2SC
T. L. Gossage - B2SL
R. E. Hatton - B2SC
R. E. Keller/E. S. Tucker
C. Paton - B2SC

Mr. D. E. Roush
B2SC

Enclosed is a copy of a recently developed analytical procedure for the determination of PCBs in Therminol® 66.

You may share this information with your customers.

W. B. Papageorge

/bt

Enclosure

DSW 173496

748

October 29, 1973

Mr. Ferlauto
Mobil Chemical Company
P. O. Box 240
Edison, New Jersey 08816

Dear Mr. Ferlauto:

Enclosed is a copy of an analytical procedure for the determination of polychlorinated biphenyls (PCBs) in Therminol® 66.

Monsanto's Mr. D. E. Roush has requested that I send you this procedure. I hope it is appropriate for your needs. If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

bcc: G. F. Fague
T. L. Gossage
R. E. Hatton
C. Paton
D. E. Roush

The above is in response to memo, DER to WBP, 8/28/73.

DSW 173497

7/7

STLCOPCB4048018

W. B. Papageorge - General Offices, BIND

October 29, 1973

TOXICITY WORK REQUEST

H. S. Bergen - B2SL
A. J. Koenig - B2SK
W. R. Richard - T3A
P. L. Wright - A2SA

Mr. M. V. Merchant
Q2C

Will you please have the proper work request form completed to cover the studies now under way at Shelanski Holding Company on Latex E and Latex G. These studies are designated as SH-73-9 and SH-73-10, respectively. A sample of the work request form is attached for your information.

W. B. Papageorge

/bt

Attachment

DSW 173498

STLCOPCB4048019

W. B. Papageorge - General Offices, B1ND

October 29, 1973

TOXICITY WORK REQUEST

H. S. Bergen - B2SL
A. J. Koenig - B2SK
W. R. Richard - T3A
J. L. Wikoff - B2SL
P. L. Wright - A2SA

Mr. D. L. Taylor
B2SF

Will you please have the proper work request form completed to cover the studies now under way at Industrial Biotest Laboratories on RPC-1110 and RPC-1114. These studies are designated as BTL-73-46 and BTL-73-47, respectively. A sample of the work request form is attached for your information.

W. B. Papageorge

/bt

Attachment

DSW 173499

STLCOPCB4048020

W. B. Papageorge - General Offices, B1ND

October 29, 1973

ACL-85XG

R. A. Herman - B2SJ
J. C. Larkin - B2SG
R. A. Pohl - B2SB

Mr. E. L. Moore
B2SJ

Jim Larkin has requested information relating to the frequency at which our plants can produce ACL-85XG with a chlorine assay of 89.5% minimum.

Is this information available?

W. B. Papageorge

/bt

DSW 173500

October 29, 1973

Mr. Lowell E. Miller, Director
Pesticides Regulation Division
Environmental Protection Agency
South Agricultural Building
Washington, D.C. 20250

Dear Mr. Miller:

As discussed by telephone, I reviewed the form being considered by OECD as a standard for reporting of information on PCBs.

I have the following comments to offer:

Form Design:

On page 8, Section 5.1, Identification, information is requested on the systematic chemical name and structural formula of material which is a replacement for PCB. Many of these alternative materials are chemical mixtures which the producer considers to be proprietary and is very reluctant to divulge their identity. It appears to me that if the replacement is environmentally acceptable as demonstrated by the requirements of paragraph 5.3, Toxicity and Environmental Hazards, the chemical identity of the material or materials involved would not be required. Also, if environmentally acceptable, the quantity of material used as a replacement would serve no practical purpose.

Sources of Information:

Under Section 2, Use of PCBs, a breakdown between large capacitor and small capacitor PCB usage is requested. In many instances, the supplier of the PCB can only estimate the amount ultimately used in each dielectric application. The manufacturers of transformers and capacitors are the most reliable source for this type of information.

Under Section 3, Export of PCBs, and Section 4, Import of PCBs, it appears that only bulk PCBs are being considered. No mention is made of PCBs involved in finished products being imported or exported.

DSW 173501

STLCOPCB4048022

Sources of Information (cont'd)

Used PCB-containing liquids being recovered or destroyed will vary widely in PCB content. Accurate PCB quantities involved will not be available. An estimate can be attempted which perhaps will be sufficient for OECD purposes.

I hope these comments are 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. K. W. Easley
Monsanto Company
Washington, D.C.

bcc: H. S. Bergen
J. N. Haggart
T. L. Gossage
C. Paton

DSW 173502

October 26, 1973

Mr. John E. Zacharias
Regional Vice President
Northeast Region
McKesson Chemical Company
299 Market Street
Saddle Brook, New Jersey 07662

Dear Mr. Zacharias:

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 C which your company purchases from Monsanto. However, you may wish to make your own assessment of our product.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173503

October 24, 1973

Mr. James Kinney
General Electric Company
Rome, Georgia 30161

Dear Mr. Kinney:

As you requested, enclosed are copies of literature pertaining to polychlorinated biphenyls. 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

m, T, W, X, AA, BB, Z

DSW 173504

STLCOPCB4048025

W. B. Papageorge - General Offices, B1ND

October 23, 1973

DEQUEST® 2041, 2042, 2044
PRODUCT SPECIFICATIONS

C. S. Alack - B2SJ
J. DiTommaso - 1410
R. D. Hogue - N1A
J. F. Murphy - 1410

Mr. S. Vazopolos
N1A

Attached are copies of tentative customer product specifications for Dequest® 2041, 2042 and 2044.

I would appreciate comments from all recipients relating to making these specifications permanent.

W. B. Papageorge

/bt

Attachments-3

DSW 173505

W. B. Papageorge - General Offices, B1ND

October 23, 1973

DEQUEST® 2005 DN and 2051

Mr. S. Vazopolos
N1A

I would appreciate your recommendations for specifications on Dequest® 2005 DN and Dequest® 2051 that we can share with customers.

W. B. Papageorge

/bt

DSW 173506

STLCOPCB4048027

W. B. Papageorge - General Offices, B1ND

October 23, 1973

SANTO-RES - MATERIAL
SAFETY DATA SHEET

Mr. J. T. Garrett
A2SA

I have attached for your review and comment a draft of a Material Safety Data Sheet covering Santo-Res.

W. B. Papageorge

/bt

Attachment

DSW 173507

W. B.Papageorge - General Offices, B1ND

October 23, 1973

DEQUEST® 2060
OSHA-20 FORM

Memo, WMK to WBP, 9/18/73

Mr. T. M. King
B2SG

As requested in your memo of September 18, attached is a completed Material Safety Data Sheet for Dequest® 2060.

W. B. Papageorge

/bt

Attachment

DSW 173508

October 23, 1973

Mr. Ralph Ulery
Star Bronze Company
803 S. Mahoning Avenue
Alliance, Ohio 44601

Dear Mr. Ulery:

Mr. F. B. Klemencic has informed me of your request for a Material Safety Data Sheet covering Monsanto's Triethylammonium Phosphate. Enclosed is 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

cc: Mr. F. B. Klemencic
Akron, Ohio

DSW 173509

STLCOPCB4048030

W. B. Papageorge - General Offices, B1ND

October 22, 1973 P. O. DeGarmo - B3NJ

GORDON RESEARCH CONFERENCES

Mr. K.W. Easley
1920

Attached is the program summary for the 1973 Gordon Research Conferences and a copy of Ollie DeGarmo's report of the conference he attended at the Tilton School, July 29-August 3, 1973.

Ollie was not aware of any significant discussions relating to PCBs. After reviewing the attached program summary, I find it difficult to predict which of the other conferences would have been appropriate for a discussion of PCBs.

W. B. Papageorge

/bt

Attachments-2

DSW 173510

October 19, 1973

Mr. William A. Richter
Materials Systems Design
Product Engineering Department
Lord Kinematics
Lord Corporation
1635 West 12th Street
Erie, Pennsylvania 16512

Dear Mr. Richter:

In response to your letter of October 4 addressed to Monsanto's Akron office, I have enclosed a Product Specification sheet for Phos Chek® P/30, your code 60384. If requested, we can supply a certificate of analysis for material meeting these specifications.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173511

STLCOPCB4048032

October 19, 1973

Dr. Barbara C. Levin
National Institute of Health
Room 3C25, Building 36
Bethesda, Maryland 20014

Dear Dr. Levin:

As you requested during our telephone conversation yesterday, enclosed are copies of literature pertaining to polychlorinated biphenyls. I hope you find these publications interesting and informative.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

E, T, X, W

Gustafson Article
Aroclor 1016 Chromatogram
" " Typical Properties
Aroclor 1016/ Aroclor 1242 Comparison

DSW 173512

733

STLCOPCB4048033

October 19, 1973

Mr. Samuel C. Laidley
District Manager
McKesson Chemical Company
26601 Richmond Road
Bedford Heights, Ohio 44146

Dear Mr. Laidley:

In response to your letter of October 10 addressed to Monsanto's Cincinnati, Ohio office, I have enclosed Critical Materials Register sheets covering Monsanto's Santocel® 62 and Santocel® FRC.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

bcc: C. H. Matzek - B2SJ
R. D. McDaniel- B2SJ

DSW 173513

STLCOPCB4048034

October 19, 1973

Mr. W. R. Overstreet
Chief Analyst
Unbleached Paper & Board Division
Union Camp Corporation
P. O. Box 326
Montgomery, Alabama 36101

Dear Mr. Overstreet:

Your letter of October 5 addressed to Monsanto's Mr. Sam Jenkins requesting information relating to the hazardous and toxic nature of Sterox® NJ has been forwarded to me for response. I have enclosed a Material Safety Data Sheet for this product which I hope will fulfill your needs.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

bcc: R. H. Trump

DSW 173514

W. B. Papageorge - General Offices, BlND

October 18, 1973

Mr. S. Fujii
5260 - Tokyo

In response to your telex dated October 18, I am enclosing information relating to the liquid PCB waste incinerator located at Monsanto's W. G. Krummrich Plant, Sauget, Illinois. Additional information which may be helpful is as follows:

a) Capacity -- Incinerators of this type are normally rated for a given heat release. The nominal capacity of the Krummrich Plant incinerator is 1,250 lbs./hr. of Aroclor 1242. This corresponds to a heat release of 13M BTU/hr.

b) Feed Types - This incinerator was designed for a full range of chlorinated and non-chlorinated products. Still bottoms, solvents of various sorts, material containing lime--virtually any flowable material--can be fed to this incinerator.

Because some of the feed material was to contain lime (up to 2%), the refractory had to be carefully chosen. The original refractory proved unsatisfactory. A high alumina (high cost) brick is now being considered for replacement following an extended test period. PCBs caused leaching of silica from original brick and thus caused premature failure.

c) For HCl Gas Disposal - A scrubber system was installed. A venturi scrubber is used to assure wetting of particulates. A packed column following the venturi is used to scrub out the HCl.

d) Oxidation Temperature - This must be coupled with residence time in the oxidizer. Both are needed for complete PCB destruction. Higher chlorination levels require higher temperatures for destruction.

The Krummrich incinerator is designed for 2800°F (for Aroclor 1260). Normal operating temperatures are in the range of 2200-2500°F. Residence time is about 2.5 seconds.

DSW 173515

e) Supplier of Equipment - John Zink Company, P. O. Box 7388, Tulsa, Oklahoma, 74105, U.S.A. Each incinerator is custom designed.

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

W. B. Papageorge

/bt

Attachments

DSW 173516

October 18, 1973

Mr. Michael J. Lako
Branch Operations Manager
Woodbridge Branch
McKesson Chemical Company
160 Essex Avenue East
Avenel, New Jersey 07001

Dear Mr. Lako:

In response to your request of October 8 for information relating to the toxic and hazardous nature of Monsanto's Ethyl Acid Phosphate and Amyl Acid Phosphate, I have enclosed Material Safety Data Sheets covering these products. I hope these data sheet 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

bcc: R. G. Pier - B2SG
D. L. Sliney - B2SB

DSW 173517

729

STLCOPCB4048038

October 18, 1973

Mr. Barry Aubrey, Chemist
Hardigg Industries
North Main Street
So. Deerfield, Massachusetts 01373

Dear Mr. Aubrey:

In response to your request of September 21 for information relating to Monsanto's Lampblack BTA, I have enclosed a Material Safety Data Sheet covering this product, which I hope will fulfill your requirements.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

bcc: R. D. McDaniel - B2SJ

DSW 173518

October 17, 1973

Dr. David L. Stalling
Fish-Pesticide Research Laboratory
Bureau of Sport Fisheries and Wildlife
Fish and Wildlife Service
United States Department of the Interior
Route No. 1
Columbia, Missouri 65201

Dear Dave:

Enclosed is the available information on Aroclor 1016 which you requested in your letter dated October 10.

Monsanto supplies Aroclor 1016 only to manufacturers of electrical capacitors who have fulfilled the proper legal and financial responsibility requirements extablished by Monsanto.

I hope this information is helpful to you. Please let me know if I can be of further help.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures-3

Aroclor 1016 Chromatogram
Aroclor 1016 Typical Properties
Aroclor 1016 / Aroclor 1242 Comparison

DSW 173519

STLCOPCB4048040

October 17, 1973

Mr. James W. Hammond
Director of Industrial Hygiene
Exxon Company
P. O. Box 2180
Houston, Texas 77001

Dear Mr. Hammond:

Jensen-Souders Associates Inc. has informed me of your request for a Material Safety Data Sheet covering Monsanto's Lampblack B-5. Enclosed is a data sheet covering this product.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Mr. Wilson F. Souders
Jensen-Souders Associates Inc.
Itasca, Illinois 60143

bcc: R. D. McDaniel - B2SJ

DSW 173520

STLCOPCB4048041

October 17, 1973

Mr. Mitchell Stein
2167 Regent Court South
Westbury, New York 11590

Dear Mr. Stein:

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.

I regret I do not have a copy of the article you requested to send to you.

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 1798

DSW 173521

706

STLCOPCB4048042

W. B. Papageorge - General Offices, BLHD

October 17, 1973

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 third quarter of this year for the Specialty Products Group.

W. B. Papageorge

/bt

Attachment

DSW 173522

STLCOPCB4048043

W. B. Papageorge - General Offices, B1ND

October 17, 1973

TOXICITY STUDIES

W. R. Corey - B2SL
S. R. Hinds - B2SB
G. J. Levinskas - A2SC
W. F. Symes - M1A
P. L. Wright - A2SC

Mr. R. S. Baker
B2SB

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

W. B. Papageorge

/bt

Attachment

DSW 173523

STLCOPCB4048044

October 17, 1973

Mr. John N. Karnemaat
Director
The Kar Laboratory
1840 South Westnedge
Kalamazoo, Michigan 49008

Dear Mr. Karnemaat:

I have received your request for Aroclor® samples and am forwarding samples of Aroclor® 1221, Aroclor® 1242 and Aroclor® 1254 to you under separate cover. I regret I cannot supply 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

Aroclor 1221
1242
1254 } S/N 1797

DSW 173524

October 17, 1973

Mr. Ernest J. Bognar
Technical Director
Newton Falls Paper Mill, Inc.
Newton Falls, New York 13666

Dear Mr. Bognar:

Your letter of October 4 addressed to Monsanto's New York office has been forwarded to me for response.

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 Scripset® 520, Scripset® 101, Mersize® TFL or Mersize® RM that 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: L. T. Johnson - Glens Falls
P. L. Slayton - New York

DSW 173525

STLCOPCB4048046

October 17, 1973

Mr. L. V. Blinn
The Northwest Paper Company
Cloquet, Minnesota 55720

Dear Mr. Blinn:

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 Scripset 808 Resin which your company purchases from Monsanto. However, you may wish to make your own assessment of our product.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173526

720

STLCOPCB4048047

October 17, 1973

Mr. V. L. Eberly
Safety Engineering
Bettis Atomic Power Laboratory
Westinghouse Electric Corporation
Box 79
West Miffin, Pennsylvania 15122

Dear Mr. Eberly:

In response to your letter of October 2 requesting information relating to the hazardous and toxic nature of Monsanto's Santovac® 5, I am pleased to send you our Material Safety Data Sheet covering this product. This is the form that is generally accepted by the industry and I hope it will fulfill your needs.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173527

STLCOPCB4048048

October 16, 1973

Mr. R. W. Bitterlich
Purchasing Manager
Farboil Company
Division of Beatrice Foods Co.
8200 Fischer Road
Baltimore, Maryland 21222

Dear Mr. Bitterlich:

A copy of your letter of October 5 has been forwarded to me for response relating to Monsanto's Santocel 62. I have enclosed a copy of our Product Specification Sheet covering Santocel 62.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

bcc: C. H. Matzek - B2SJ
R. D. McDaniel - B2SJ

DSW 173528

-18

STLCOPCB4048049

October 16, 1973

Mr. Ferril M. Miller
Production Manager
Albi Manufacturing Corporation
98 E. Main Street
Rockville, Connecticut 06066

Dear Mr. Miller:

I have received your letter of October 9 requesting Product Specification sheets for Monsanto's Phos Chek® P/30 Regular and Phos Chek® P/30 Fine and have enclosed copies of these specifications.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures-2

DSW 173529

W. B. Papageorge - General Offices, B1ND

October 16, 1973

R. E. Hatton - B2SC
C. Paton - B2SC
E. S. Tucker - T2F

METHODOLOGY FOR DETERMINING
PCBs IN THERMINOL 55

Mr. D. E. Roush
B2SC

Attached is a copy of Analytical Chemistry Method 73-8 relating to the determination of PCBs in Therminol 55. You may share this methodology with customers as appropriate.

Scott Tucker is developing a method for the determination of PCBs in Therminol 66. I understand this determination is more difficult and Scott is optimistic that his group will have something for you shortly.

W. B. Papageorge

/bt

Attachment

DSW 173530

W. B. Papageorge - General Offices, B1ND

October 16, 1973

MATERIAL SAFETY DATA SHEET
SANTO-RES

Mr. J. P. Petrovich
Q1E

We have received a request for a Material Safety Data Sheet covering our Santo-Res and would appreciate your help in completing the attached form.

W. B. Papageorge

/bt

Attachment

DSW 173531

STLCOPCB4048052

W. B. Papageorge - General Offices, B1ND

October 16, 1973

MATERIAL SAFETY DATA SHEETS
RPC-931 AND SCRIPTITE

Dr. D. R. Dill
Q2C

We have received a request for Material Safety Data Sheets covering our RPC-931 and Scriptite and would appreciate your help in completing the attached forms.

W. B. Papageorge

/bt

Attachments-2

DSW 173532

714

STLCOPCB4048053

W. B. Papageorge - General Offices, E1ND

October 16, 1973

ENVIRONMENTAL INFORMATION
GENERAL MOTORS
MEMO, LRS to WBP, 10/12/73

J. F. Herber - T3G
R. J. Klostermann - E1SA
C. Paton/G. Pague - B2SC
W. R. Richard - T3A

Mr. L. R. Stark
W4A

In response to customers' requests that we complete forms relating to information concerning our products' composition, physical and chemical properties and environmental impact we do not, as a rule, recommend that Monsanto employes complete forms proposed by our customers. It is strongly recommended that available literature such as Material Safety Data Sheets (OSHA-20) and technical bulletins be submitted instead. This type of material has already received the proper Monsanto clearances.

There may be instances in which a response is considered necessary for which no technical data is available. Under such conditions, any information offered must be clearly designated as an opinion of the writer.

In answering General Motor's current request, I suggest that the attached information be used.

I recommend that the following statement be used in replying to the inquiry relating to the presence of carcinogens in our products:

> "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 _____ which your company purchases from Monsanto. However, you may wish to make your own assessment of our products."

W. B. Papageorge

/bt

Attachments

DSW 173533

STLCOPCB4048054

W. B. Papageorge - General Offices, B1ND

October 16, 1973

C. S. Alack - B2SB
Mary Johnson - 1650
R. C. Richardson - 1650

EMA-91 -- AMERICAN CYANAMID COMPANY
WBP Letter of 9/7/73
to American Cyanamid

Mr. S. Vazapolos
N1A

In early September you had offered to check into the microbiological stability of dry EMA-91 in order that we may forward this additional information to Mr. Fenner at American Cyanamid. Were you able to get this information?

W. B. Papageorge

/bt

DSW 173534

STLCOPCB4048055

W. B. Papageorge - General Officer, BIRD

October 15, 1973

MOULD COAT -- ASARCO
PERTH AMBOY, N. J.
Memo, RDMcD to WBP, 7/27/73

Mr. R. D. McDaniel
B2SJ

D. C. Dieterich - 1150
J. E. Eldridge - 1150
T. G. Iversen - 1650
E. L. Moore - B2SJ
M. H. Ponder - 1650
H. Teicher - N1A

Attached are three copies of a customer specification sheet as requested in your memo. Please arrange to have it presented to ASARCO for acceptance.

W. B. Papageorge

/bt

Attachment

DSW 173535

711

STLCOPCB4048056

W. B. Papageorge - General Offices, B1ND

October 15, 1973

Mr. D. B. Hosmer
E1SF

Attached are copies of documents submitted by members of the electrical industry supporting the continued use of PCBs as dielectrics. These are the documents I mentioned in preparing for our discussions with Drs. Sager and Thompson.

W. B. Papageorge

/bt

Attachment

DSW 173536

W. B. Papageorge - General Offices, BlND

October 15, 1973 G. J. Levinskas - A2SC

Mr. P. L. Wright
A2SC

Attached are copies of the forms which should be used by members of the Specialty Products and Special Chemicals Systems groups. You will note on these forms the proper charge number which should help provide better control. In the event you receive requests for studies which are not accompanied by this form, please let me know.

W. B. Papageorge

/bt

Attachments-2

DSW 173537

STLCOPCB4048058

W. B. Papageorge - General Offices, B1ND

October 15, 1973

G. D. Nelson - N1A
P. L. Wright - A2SC

TOXICITY EVALUATION

Mr. Shengen Hu
N1A

Attached is the form which should be used when requesting studies from our Medical Department. Will you please have a copy of the form completed to cover the EMA studies which you recently requested.

W. B. Papageorge

/bt

Attachment

DSW 173538

70

STLCOPCB4048059

W. B. Papageorge - General Offices, B1ND

October 15, 1973 P. L. Wright - A2SC

PYDRAUL TOXICITY STUDIES

Mr. L. R. Stark
W4A

Attached is a copy of the form which should be used to request studies from our Medical Department. Will you please have a copy completed to cover the recent Pydraul 50E and Pydraul 312C work which you requested.

W. B. Papageorge

/bt

Attachment

DSW 173539

STLCOPCB4048060

October 15, 1973

Dr. John Lawrence
Research Scientist
Water & Wastewater Treatment
Research Subdivision
Canada Centre for Inland Waters
P. O. Box 5050
Burlington, Ontario
Canada

Dear Dr. Lawrence:

I have received your letter of September 26 requesting literature pertaining to polychlorinated biphenyls and have enclosed copies of available literature which I hope you find interesting and informative.

In response to your request for Aroclor samples I have forwarded samples of Aroclor 1242 and Aroclor 1254 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

Enclosures

O, M, T, X, Z, AA,
A-1242
A-1254 1016

DSW 173540

706

STLCOPCB4048061

W. B. Papageorge - General Offices, BlND

October 15, 1973

MATERIAL SAFETY DATA SHEETS
TRIETHYLAMMONIUM PHOSPHATE
DEQUEST 2060

Mr. J. T. Garrett
A2SA

Attached are draft copies of two Material Safety Data Sheets for your review and comment.

W. B. Papageorge

/bt

Attachments

DSW 173541

STLCOPCB4048062

W. B. Papageorge - General Offices, B1ND

October 12, 1973 E. P. Wheeler - A2SA

Mr. D. B. Nelson
1250 - MRC Dayton

At Elmer Wheeler's suggestion I have enclosed copies of the Interdepartmental Task Force report on PCBs and Monsanto's PCB analytical methodology.

These reports may be freely shared with regulatory authorities.

W. B. Papageorge

/bt

Enclosures-2

DSW 173542

W. B. Papageorge - General Offices, B1ND

October 12, 1973

W. R. Corey - B2SL
K. W. Easley - 1920

OECD -- PCB REPORTING

Messrs.

P. G. Benignus - B2SC
H. S. Bergen - B2SL
T. L. Gossage - B2SL
A. J. Koenig - B2SK
C. Paton - B2SC

Attached is a form being considered by OECD as a standard for reporting PCB manufacturing, usage, importing, exporting, incineration, etc.

You will note we have succeeded, so far, in separating exports to OECD countries (list attached) from exports to non-OECD countries and in avoiding disclosure of our customers by country, name and location.

Mr. Lowell Miller, EPA, the U.S. OECD representative, has asked for our comments. He is very anxious to receive our comments promptly. Please forward your remarks to me by October 19.

W. B. Papageorge

/bt

Attachments

DSW 173543

OECD

MEMBER COUNTRIES

Australia
Austria
Belgium
Canada
Denmark
Finland
France
Germany
Greece
Iceland
Ireland
Italy
Japan
Luxembourg
Netherlands
Norway
Portugal
Spain
Sweden
Switzerland
Turkey
United Kingdom
United States

COUNTRIES WITH SPECIAL STATUS

New Zealand
Yugoslavia

DSW 173544

STLCOPCB4048065

W. B. Papageorge - General Offices, B1ND

October 12, 1973

PRODUCT SPECIFICATION --
SILESTER OS - REMET CORP.
PRECISION CASTPARTS CORP.

E. M. Connors - 1550
N. G.Hobbs - 1410
C. J. Matzek - B2SJ
R. D. McDaniel - B2SJ
E. L. Moore - B2SJ
H. Teicher - N1A

Mr. J. DiTommaso
1410 - Everett

Attached are copies of Precision Castparts Corporation's Specifications Nos. TA-1-a and TA-1-a(3) forwarded to us by Mr. Fred White, Remet Corporation, for our review and comment.

Specification No. TA-1-a is the Union Carbide specification for their Ethyl Silicate 40. Specification No. TA-1-a(3), dated September 20, 1973, appears to be an attempt to write a specification which meets our specifications for Silester OS, dated March 20, 1970.

May I have the plant's comments on our ability to ship material which would satisfy P.C.C.'s specification.

W. B. Papageorge

/bt

Attachment

DSW 173545

STLCOPCB4048066

W. B. Papageorge - General Offices, B1ND

October 12, 1973

ANALYTICAL METHODOLOGY
THERMINOL 66

Memo, MWD to WBP, 10/2/73

Messrs.

J. Armentor - 1460
M. W. Dietrich - T2B
R. E. Keller - T1B
D. R. Miller - T3F
C. Paton - B2SC
W. R. Richard - T3A
D. E. Roush - B2SC
E. S. Tucker - T2F

I note in the copy of the proposed colorimetric method for the determination of Therminol 66 in light hydrocarbon samples that reference is made to "HB-40" in the equation for determining percent in sample. The "HB-40" should be deleted and replaced with the expression "Therminol 66". Copies forwarded to customers should not have any reference to HB-40.

I have attached a corrected version for your use.

W. B. Papageorge

/bt

Attachment

DSW 173546

701

STLCOPCB4048067

Monsanto

OUTGOING MESSAGE BLANK
Telecommunications System

DATE 10/12 | TIME 11:00 | SENDER'S ACCOUNT NO. 47-000-735.40

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

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

F. T.

J. N. HAGGART
BRUSSELS

YOUR PCB CONTROL SUMMARY HAS MY APPROVAL FOR PUBLICATION.

W. B. PAPAGEORGE
ST. LOUIS, MO.

700

IN-IR REV. 7-64

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

DSW 173547

STLCOPCB4048068

October 11, 1973

Dr. K. J. Radimer
FMC
Box 8
Princeton, New Jersey 08540

Dear Dr. Radimer:

At Mr. Ken Brakebill's request I have enclosed copies of an approved specification for Dequest® 2000, a tentative specification for Dequest® 2041 and analytical methods used to determine the characteristics listed.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

cc: Mr. E. K. Brakebill

DSW 173548

STLCOPCB4048069

W. B. Papageorge - General Offices, B1ND

October 11, 1973

INTALCO ALUMINUM
FERNDALE, WASHINGTON

T. L. Gossage - B2SL
C. Paton - B2SC
E. Treffner - 5120

Mr. D. R. Hansen
Santa Clara

On October 9, 1973 I called Mr. John Michaelson, Intalco Aluminum, to review his Therminol FR-1 spill.

He was still attempting to determine the magnitude of his loss and wanted advice on methods of disposal of Therminol FR-1 liquid, absorbent material saturated with Therminol FR-1, and mixtures of sludge, water and FR-1. I informed him that scrap Therminol FR-1 should be disposed of by incineration at high temperatures followed by scrubbing of the stack gases. He believed he had facilities that could accomplish this and was going to investigate further. I informed him that Monsanto had no facilities for disposing of solid wastes contaminated with Therminol FR-1 or liquids containing more than 1% water. I suggested that the solid wastes be buried in an authorized sanitary landfill.

Mr. Michaelson was also interested in analytical methodologies for determining PCB content in liquids. As soon as he was informed that GLC was involved, he decided to go to Battelle Institute for laboratory services.

He seemed pleased with Monsanto's assistance and indicated he might call back if he needed further help. He also indicated that, unless the loss of fluid was great, he had enough make-up on hand to satisfy his current needs and would postpone any decision concerning conversion to a non-PCB fluid.

W. B. Papageorge

/bt

DSW 173549

10

W. B. Papageorge - General Offices, B1ND

October 11, 1973 R. A. Pohl - 5040

ASBESTOS TYPE FILTERS -
FOOD AND DRUG PRODUCTS

Mr. E. L. Moore
B2SJ

In the Federal Register of Friday, September 28, 1973, the FDA has proposed the banning of the use of filters containing asbestos for any products used in food or drug related applications. This ban will probably become effective in January, 1974.

Are filters of this type used in any of our products which have FDA approval for food or drug related applications?

W. B. Papageorge

/bt

DSW 173550

STLCOPCB4048071

W. B. Papageorge - General Offices, BlND

October 11, 1973

DEQUEST 2000 --
FMC-VANCOUVER

Messrs.

C. S. Alack
E. K. Brakebill
E. M. Connors
J. DiTommaso
R. D. Hogue
E. H. Kimball
W. L. Merman
E. L. Moore
J. F. Murphy
W. F. Symes

Attached for your files is an approved copy of the Finished Product Specification for Dequest 2000 for FMC-Vancouver.

W. B. Papageorge

WBP/bt

Attachment

DSW 173551

STLCOPCB4048072

W. B. Papageorge - General Offices, B1ND

October 10, 1973

CUSTOMER SPECIFICATIONS
SANTOCELS

J. DiTommaso - 1410
N. G. Hobbs - 1410
R. D. McDaniel - B2SJ
H. Teicher - N1A

Mr. C. H. Matzek
B2SJ

As requested, I have reviewed my files to determine which special customer specifications are still effective. I have attached summaries of these specifications.

Will all recipients review these and determine:

1. Are these specifications current.

2. Are any specifications missing.

3. Do we have any problems in meeting these specifications.

I would appreciate your comments by November 1.

W. B. Papageorge

/bt

Enclosures

DSW 173552

W. B. Papageorge - General Offices, B1ND

October 10, 1973

H. S. Bergen - B2SL
B. L. Tibbetts - B2SE

SYMPOSIUM -- WOOD PRESERVATION

Dr. W. R. Richard
T3A

With the current interest in penta and its environmental impact, and Dow's Dr. R. L. Johnson's participation at the symposium to be held in Syracuse, New York on November 14 and 15, I recommend that a Research representative (D. Dill?) attend. I have registered and I believe Bobby Tibbetts plans to attend also. It is difficult to anticipate what to expect but the three of us should certainly be able to cope with any contingency which may arise.

W. B. Papageorge

/bt

DSW 173553

STLCOPCB4048074

W. B. Pelgeorge - General Offices, BIND

October 10, 1973 J. E. Maurer - BIFA

CONSULTING AGREEMENT
DR. O. FRED LEE

J. T. Garrett - A2SA
I. D. Hill - BIA
D. B. Horner - BISP
J. S. Metcalf - BIND
C. W. Roos - BESA

Attached is a copy of the consulting agreement Monsanto has had with Dr. Lee for the past year. Please review this agreement and submit your comments regarding renewal or extension to me by October 31.

W. B. Pelgeorge

/ot

Attachment

DSW 173554

Monsanto

OUTGOING MESSAGE BLANK
Telecommunications System

DATE 10/9/73 | TIME 10 am | SENDER'S ACCOUNT NO. 43-000-736.01-034

INDICATE DESIRED SERVICE → [x] FULL RATE [ ] DAY LETTER [ ] NIGHT LETTER

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

5420-LONDON
B. K. ROGERS

RE URTEL OCT. 8

METAL CONTENT OF SANTOCEL 62 AS FOLLOWS: ARSENIC LESS THAN 3PPM, LEAD LESS THAN 10PPM, TOTAL HEAVY METALS EXPRESSED AS LEAD LESS THAN 30PPM. IRON CONTENT NOT SPECIFICALLY KNOWN BUT INCLUDED IN TOTAL HEAVY METALS.

W. B. PAPAGEORGE

CC: DR. H. TEICHER

692

IN-IR REV. 7-64

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

DSW 173555

STLCOPCB4048076

W. B. Papageorge - General Offices, B1ND

October 8, 1973

D. C. Dieterich - 1150
J. E. Eldridge - 1150
F. B. Klemencic - 1010

PARR, INC. --
LAMPBLACK NO. 2

Memo, JEE to WBP, 10/5/73

Mr. R. D. McDaniel
B2SJ

In his memo Emerson indicated that every lot of Lampblack No. 2 is tested for oil absorption and tinting strength. The other properties listed in our product specifications can be determined as needed.

Emerson seeks advice relating to which characteristics Parr, Inc. considers important. Can you advise us.

W. B. Papageorge

/bt

DSW 173556

STLCOPCB4048077

W. B. Papageorge - General Offices, B1ND

October 8, 1973

W. R. Corey - B2SL
J. F. Stapleton - B2SA

PCT PRODUCTION -
1959 - 1972

Mr. K. W. Easley
1920

Attached is the production information for the chlorinated terphenyls. Will you deliver a copy to Dr. Charles F. Jelinek, FDA.

W. B. Papageorge

/bt

Attachment

DSW 173557

STLCOPCB4048078

POLYCHLORINATED TERPHENYLS

YEAR	PRODUCTION (In short tons)
1959	1498
1960	1925
1961	1161
1962	2234
1963	2460
1964	2644
1965	3235
1966	4095
1967	4725
1968	4435
1969	5800
1970	8884
1971	10106
1972*	4067

*Production was terminated in April 1972

DSW 173558

October 8, 1973

Dr. G. Fred Lee
919 Park Lane
Bryan, Texas 77801

Dear Fred:

Attached is your copy of Bill Brung's statement. I have also enclosed a copy of a Monsanto Product Catalog which I hope you find useful.

Regards.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

DSW 173559

STLCOPCB4048080

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

October 8, 1973

H. S. Bergen - B2SL
W. R. Corey - B2SL

PCB INCINERATION

Dr. J. R. Durland
5260 - Tokyo

In a recent summary report I note, with some surprise, that the Mie prefecture authorities will not permit operation of MMK's incinerator. Is this a recent development? When were operations ceased? What are your plans for coping with the situation?

I also note that if the incinerator can be operated at capacity, that a four-year inventory of PCBs will accumulate shortly. How much material does this represent.

W. B. Papageorge

/bt

DSW 173560

W. B. Papageorge - General Offices, BlND

October 8, 1973

G. F. Fague - B2SC
C. Paton - B2SC
D. E. Roush - B2SC

ANALYTICAL METHODOLOGY
THERMINOL 66

Mr. J. Armentor
1460

Attached is a copy of a proposed method for determining Therminol 66 in low molecular weight non-aromatic liquids.

This is the procedure you had requested several weeks ago in response to a customer request. You may share this information with any customer. I suggest you point out in each case the difference in sensitivity in colorimetric method and the GC method.

W. B. Papageorge

/bt

Attachment

DSW 173561

STLCOPCB4048082

October 8, 1973

Mr. Charles C. Keehne
Manager, EC&M Department
Hilo Electric Light Company, Ltd.
Hilo, Hawaii 96720

Dear Mr. Keehne:

Your letter dated September 21 requesting information on the disposal of a capacitor was referred to me for response.

Monsanto does not have special facilities for disposing of solid waste contaminated with polychlorinated biphenyls. The preferred method of disposal is by incineration at temperatures exceeding 2000°F. If no facilities are available that can reach the high temperatures required, I suggest that the failed capacitor be disposed of in an approved sanitary landfill.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173562

W. B. Papageorge - General Offices, BIND

October 5, 1973

BORDEN -- COLUMBUS
COATED FABRICS

R. L. Baker - B2SB
H. S. Bergen - B2SL
W. R. Corey - B2SL

Messrs.

T. L. Gossage - B2SL
D. L. Sliney - B2SB

What products are we selling to Columbus Coated Fabrics? Which of these were new to them during 1972 and early 1973?

W. B. Papageorge

/bt

Enclosure

DSW 173563

STLCOPCB4048084

October 8, 1973

Mr. W. C. Reinhardt
Central Maloney
Transformer Division
Colt Industries
P. O. Box 101
St. Louis, Missouri 63166

Dear Bill:

Enclosed is an employment application. Will you please complete it and return in the self addressed envelope. I suggest you include your professional resume and, in a cover letter, mention that you have discussed this application with me.

Regards.

Sincerely,

W. B. Papageorge

WBP/bt

Enclosures

cc: Mr. J. N. Roark

DSW 173564

STLCOPCB4048085

J. M. Kuenz - 1180
C. H. Matzek - B2SJ

October 5, 1973

Mr. Robert D. Hickman
Regional Manager
Purchasing Co-ordination
North Central Region
McKesson Chemical
600 Hunter Drive
Oakbrook, Illinois 60521

Dear Mr. Hickman:

Your letter of September 14 addressed to Monsanto's Des Plaines office has been forwarded to me for response. We have the following data to offer on trace elements in Monsanto's Santocel FRC:

Arsenic (As)	< 3 ppm
Heavy Metals (Pb)	< 30 ppm (1)
Lead (Pb)	< 10 ppm

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

(1) Food Chemicals Codex test for common metallic impurities (Ag, As, Bi, Cd, Cu, Hg, Pb, Sb and Sn) that are colored by Hydrogen Sulfide under the conditions specified in the test.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173565

STLCOPCB4048086

bcc: J. M. Kuenz - 1180
R. D. McDaniel - B2SJ

October 4, 1973

Mr. R. P. Ottman
Purchasing Agent
Midland Division
The Dexter Corporation
East Water Street
Waukegan, Illinois 60085

Dear Mr. Ottman:

Based on current knowledge of our raw materials and our processes, it is our best scientific opinion that Santocel 54, Santocel 62 and Lampblack 8 which you purchase from Jensen-Souders Associates Inc. does not contain any of the 14 chemicals listed by the Occupational Safety and Health Administration on page 10929 of the Federal Register, Volume 38, No. 85, dated May 3, 1973.

We share with you your concern over the impact on industry of these newly promulgated OSHA emergency standards. 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. Wilson F. Souders
Jensen-Souders Associates Inc.
Itasca, Illinois

DSW 173566

STLCOPCB4048087

October 4, 1973

Mr. John Karnemaat
Karr Laboratory
1840 S. Westnedge
Kalamazoo, Michigan 49008

Dear Mr. Karnemaat:

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 requested 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 173567

681

STLCOPCB4048088

October 4, 1973

Mr. Thomas Brownrigg
Baird-Atomic, Inc.
125 Middlesex Turnpike
Bedford, Massachusetts 01730

Dear Mr. Brownrigg:

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/ht

A-1016 S/N 1725

DSW 173568

STLCOPCB4048089

October 3, 1973

Dr. Arlene Longwell
National Marine Fishery
Service Laboratory
212 Rogers Avenue
Milford, Connecticut 06112

Dear Dr. Longwell:

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 a sample of Aroclor 1254 forwarded to you.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173569

1-9

October 3, 1973

Mr. Hugh B. Collins
Assistant Project Coordinator
Department of Environmental Quality
State of Iowa
Lucas State Office Building
Des Moines, Iowa 50319

Dear Mr. Collins:

In response to your letter dated July 11 in which you requested information on the biodegradability of several Monsanto products, I have attached copies of papers describing studies with Pentachlorophenol (I am assuming the PCB on your list is Pentachlorophenol).

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 173570

STLCOPCB4048091

W. B. Papageorge - General Offices, BlND

October 2, 1973

SANTOCEL PRODUCT
SPECIFICATIONS

Mr. T. Ishijima
5270 - Tokyo

As requested, attached are Product Specifications for Santocel C, FRC, CS, 62 and Z.

W. B.Papageorge

/bt

Enclosures

DSW 173571

STLCOPCB4048092

W. B. Papageorge - General Offices, B1ND

October 1, 1973

J. E. Eldridge - 1150
F. B. Klemencic - 1010

PARR, INC.
LAMPBLACK NO. 2

Mr. R. D. McDaniel
B2SJ

I regret the delay in responding to this request. Emerson Eldridge finally responded by telephone last Friday that the plant can meet all of the requirements requested by Parr, Inc. Emerson will confirm the plant's position in writing.

Will you please arrange for someone to inform Parr of our ability to meet their requirements.

W. B. Papageorge

/bt

DSW 173572

W. B. Papageorge - General Offices, B1ND

October 1, 1973

SPECIFICATIONS - NISSAN
AMMONIUM POLYPHOSPHATE

In Turn To:

D. C. Dieterich
J. E. Eldridge
W. F. Symes
R. F. Nueneubel
W. B. Papageorge

W. H. Duffey - E1SA
A. R. Handleman - B2SJ
E. L. Moore - B2SJ
R. G. Pier - B2SG
R. Rose - N1A
D. L. Sliney - B2SB
H. Teicher - N1A

Attached is a proposed specification for Ammonium Polyphosphate to be purchased from Nissan to supplement our Phos Chek P/30 supply. Please note that Form II Content is shown as 10% maximum -- a level which our Phos Chek P/30 does not routinely meet.

Please review this specification, indicating your approval by signing in the appropriate space.

W. B. Papageorge

/bt

Attachment

DSW 173573

175

STLCOPCB4048094

W. B. Papageorge - General Offices, BlND

October 1, 1973

SASKATCHEWAN POWER CORPORATION

Memo, TWO to WBP, 8/31/73

T. W. Oneson
5090 - Montreal

P. G. Benignus - B2SC
A. G. Erdman - 5090
C. Paton - B2SC
D. B. Zaretsky - 5090

I reviewed the article on askarels by Saskatchewan Power Corporation and, like you, was disturbed by some of the statements. Since the article has been available since January 10, I don't believe it is appropriate at this late date to comment unless you have information that this article has resulted in unwarranted concerns and actions by the users of askarel-containing equipment.

I agree that we should inform Saskatchewan Power that Interflow Systems does not, to our knowledge, have the capability for properly destroying PCBs.

W. B. Papageorge

/bt

DSW 173574

STLCOPCB4048095

W. B. Papageorge - General Offices, BlND

October 1, 1973

PATCH TESTING - PYDRAUL 230C
AND PYDRAUL 312C

T. L. Gossage/C. Paton
R. E. Kelly
G. J. Levinskas
W. R. Richard

Mr. L. R. Stark
W4A

Will you please forward to the Medical Department samples of Pydraul 230C and Pydraul 312C. These materials are to be used in a skin sensitivity study to assist in the evaluation of recent cases of dermatitis in which Pydrauls have been implicated.

W. B. Papageorge

/bt

DSW 173575

673

STLCOPCB4048096

W. B. Papageorge - General Offices, B1ND

October 1, 1973

H. S. Bergen - B2SL
W. R. Richard - T3A

PRODUCT SPECIFICATIONS

Messrs.

D. R. Dill - Q2C
M. E. Gibbs - W1A
J. F. Herber - T3G
D. R. Miller - T3F
R. H. Munch - T2B
L. R. Stark - W4A

Attached is the latest draft of a procedure describing the establishment of product specifications. Although this is not the final approved copy, I believe it represents very closely the procedure which will eventually be issued. I believe the information in this procedure will be helpful in your current review of product specifications.

W. B. Papageorge

/bt

Attachment

DSW 173576

67c

STLCOPCB4048097

SEPTEMBER

DSW 173577

September 28, 1973

Mr. Mitchell Stein
2167 Regent Court South
Westbury, New York 11590

Dear Mr. Stein:

Your letter of September 13 addressed to Monsanto's New York office has been forwarded to me for response.

The only PCB-containing products currently manufactured by Monsanto are Aroclor® 1221, Aroclor® 1242 and Aroclor® 1254. If you will complete the enclosed sample request form and return it to me, I can arrange to have samples of these materials forwarded to you.

I have also enclosed copies of literature relating to polychlorinated biphenyls which I hope you find interesting and informative.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

DSW 173578

67C

STLCOPCB4048099

bcc: F. B. Klemencic
R. D. McDaniel

September 28, 1973

Mr. Leonard C. Knupke
Purchasing Agent
The American Crayon Company
1706 Hayes Avenue
Sandusky, Ohio 44870

Dear Mr. Knupke:

Based on current knowledge of our raw materials and our processes, it is our best scientific opinion that the Lampblack No. 2 which you purchase from The A. C. Mueller Co. does not contain any of the 14 chemicals listed by the Occupational Safety and Health Administration on page 10929 of the Federal Register, Volume 38, No. 85, dated May 3, 1973.

We share with you your concern over the impact on industry of these newly promulgated OSHA emergency standards. 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: The A. C. Mueller Co.
Cleveland, Ohio

DSW 173579

669

STLCOPCB4048100

September 28, 1973

Mr. Charles M. Gildart
Administrative Services
Dow Chemical U.S.A. Purchasing
2030 Dow Center
Midland, Michigan 48640

Dear Mr. Gildart:

I have received your letter of September 19 requesting a Material Safety Data Sheet for Santocel E. I have enclosed a Material Safety Data Sheet covering this product.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173580

STLCOPCB4048101

September 28, 1973

Mr. C. F. Kalmbach
Purchasing Agent
E. F. Houghton & Company
303 West Lehigh Avenue
Philadelphia, Pa. 19133

Dear Mr. Kalmbach:

Your letter of August 14 addressed to Monsanto's Akron office requesting information relating to our MCS-1377 has been forwarded to me for response.

I am pleased to enclosed our Material Safety Data Sheet covering this product.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173581

667

STLCOPCB4048102

W. B. Papageorge - General Offices, B1ND

September 28, 1973

C. S. Alack - B2SJ
T. M. King - B2SG

MATERIAL SAFETY DATA SHEET
DEQUEST 2060

Mr. R. D. Hogue
N1A

As discussed, attached is a Material Safety Data Sheet for Dequest 2060. Will you please complete those sections for which you have the relevant data.

W. B. Papageorge

/bt

Attachment

DSW 173582

666

STLCOPCB4048103

September 27, 1973

617-276-6107

Mr. Thomas Brownrigg
Baird-Atomic, Inc.
125 Middlesex Turnpike
Bedford, Massachusetts 01730

Dear Mr. Brownrigg:

Enclosed is the sample request form I promised to send you today. If you will complete this form and return it to me I will arrange to have a sample of Aroclor 1016 forwarded to you.

Also enclosed are technical data sheets relating to Aroclor 1016.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures-3

A-1016 [illegible]

DSW 173583

1.1.5

STLCOPCB4048104

W. B. Papageorge - General Offices, BlND

September 27, 1973

RESUME - DR. G. FRED LEE

D. B. Hosmer
R. E. Keller
J. S. Metcalf

Messrs.

C. D. Bohl
P. O. DeGarmo
M. W. Dietrich
B. W. Eley
J. T. Garrett
I. D. Hill
P. B. Hodges
J. P. Mieure
M. L. Mullins
E. S. Tucker
J. C. Weber

Enclosed is a copy of Dr. G. Fred Lee's resume. Dr. Lee is currently Head of the Environmental Chemistry Program, Department of Civil Engineering at the Texas A&M University.

W. B. Papageorge

/bt

Enclosure

DSW 173584

September 27, 1973

Mr. Harry L. Ammlung, Director
Coating and Chemical Laboratory
U.S. Army Mobility Equipment
Research & Development Center
Department of the Army
Aberdeen Proving Ground, Md. 21005

Dear Mr. Ammlung:

Your letter dated September 21 requesting a sample of Aroclor 1254 has been directed to me for response.

As you may know, because of environmental considerations, Monsanto sells Aroclor 1254 only to approved customers in the capacitor and transformer industry who use Aroclor 1254 as a dielectric fluid. Unless your test program is related to this application, I do not recommend that any effort be expended involving this unavailable product.

If, however, you need this sample as a laboratory standard to be used in polychlorinated biphenyl GLC-EC analyses, I can provide you with a sample. Attached is a sample request form for this purpose. I hope the lack of this material does not seriously inconvenience you.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt
Enc.

DSW 173585

663

STLCOPCB4048106

W. B. Papageorge - General Offices, BIND

September 27, 1973

KETONES

F. E. Kelly - A2SA
P. O. DeGarmo - B3XJ
J. E. Metcalf - BIND

Mr. E. L. Moore
Dr. W. H. Richard
Mr. J. R. Savage
Dr. W. F. Symes

Dr. Kelly is planning to get data on air levels of exposure to methyl n-butyl ketone, methyl isobutyl ketone and methyl ethyl ketone.

Do any of our current or proposed processes involve the use of these materials?

W. B. Papageorge

/bt

DSW 173586

662

STLCOPCB4048107

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

September 27, 1973

EMA-91 -- JOHNSON-JAPAN

Memo, TI to CSA, 9/11/73

C. S. Alack - B2SB
R. T. Haynes - B2SG
J. Q. Synder - N1A

Mr. T. Ishijima
5270 - Tokyo

We have reviewed the Johnson Japan questionnaire and find your entries appropriate.

We offer the following comments for those items which were red-circled:

Explosive Limits:

0.015-0.025% by vol.

The units proposed are normally used for gases or vapors. Dispersed solids such as EMA-91 are normally reported as weight per volume. For EMA-91 we propose 0.04 gm/m^3.

TLm:

96 hr. TLm is >100 ppm

Health Hazard/Inhalation:

A nuisance dust. Apply artificial respiration and oxygen as needed.

Note: Nuisance dusts are described as follows:

"Nuisance Dusts. In contrast to fibrogenic dusts which cause scar tissue to be formed in lungs when inhaled in excessive amounts, so-called "nuisance" dusts have a long history of little adverse effect on lungs and do not produce significant organic disease or toxic effect when exposures are kept under reasonable control. The nuisance dusts have also been called (biologically) "inert" dusts, but the latter term is inappropriate to the extent that there is no dust which does not evoke some cellular response in the lung when inhaled

DSW 173587

STLCOPCB4048108

in sufficient amount. However, the lung-tissue reaction caused by inhalation of nuisance dusts has the following characteristics: 1) The architecture of the air spaces remains intact. 2) Collagen (scar tissue) is not formed to a significant extent. 3) The tissue reaction is potentially reversible."

Pollution:

Oxygen demand has been determined for saturated aqueous waste streams to be: BOD -- 11 ppm; COD -- 11,000 ppm. The pH of that stream was about 3. Available metal analyses are as follows: Fe -- 10 ppm; Cr -- 1 ppm Ni -- 2 ppm. Information relating to the other metals listed is not available.

Storage/Handling:

The recommended materials of construction for the dry product is steel.

W. B. Papageorge

/bt

September 26, 1973

Mr. Gregory Grochoski
Manager, Technical Services
Research and Development
Amway Corporation
7575 East Fulton Road
Ada, Michigan 49301

Dear Mr. Grochoski:

Your letter of September 17 addressed to Monsanto's Akron office has been forwarded to me for response.

I have enclosed a Material Safety Data Sheet covering our EMA-3122. 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

Enclosure

DSW 173589

September 26, 1973

Mr. E. Ferlanto
Mobil Chemical Company
P. O. Box 240
Edison, New Jersey 08817

Dear Mr. Ferlanto:

Monsanto's Mr. D. E. Roush has informed me of your need for a sample of Therminol FR-1. I have enclosed a sample request form. If you will return the completed form to me I can provide a sample of our Aroclor 1242, which is identical to our old Therminol FR-1.

Therminol FR-1 has been withdrawn from the market, therefore, literature and price information is no longer available.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Mr. D. E. Roush

DSW 173590

STLCOPCB4048111

W. B. Papageorge - General Offices, BIND

September 26, 1973

Messrs.

J. DiTomaso - 1410
J. E. Eldridge - 1190
E. L. Moore - B29J
W. R. Richard - T3A
J. R. Savage - B2SL
W. F. Sykes - B1A

Attached is a draft of a proposed procedure. Please review critically and submit your comments to me by October 15.

W. B. Papageorge

/ct

Attachment

DSW 173591

STLCOPCB4048112

W. B. Papageorge - General Offices, BlND

September 25, 1973

RAW MATERIAL SPECIFICATION
BONE MEAL

Messrs.

J. E. Eldridge - 1150
D. C. Dieterich - 1150
E. L. Moore - B2SJ
R. F. Neunuebel - E1SD
W. F Symes - N1A

Attached is a recently approved Raw Material Specification for Bone Meal.

W. B. Papageorge

/bt

Attachment

DSW 173592

STLCOPCB4048113

W. B. Papageorge - General Offices, BlND

September 24, 1973

T. G. Iversen - 1650
H. H. Ponder - 1650
E. L. Moore - B2SJ

FINISHED PRODUCT SPECIFICATION
MOULD COAT - ASARCO

In Turn To:

D. C. Dieterich
J. E. Eldridge
W. F. Symes/H. Teicher
D. L. Sliney/R. D. McDaniel
W. B. Papageorge

Attached is a proposed Finished Product Specification for Mould Coat for ASARCO. Will you please review, indicating your approval by signing in the appropriate space.

W. B. Papageorge

/bt

Attachment

DSW 173593

STLCOPCB4048114

W. B. Papageorge - General Offices, B1ND

September 24, 1973

DEQUEST 2054 TOXICOLOGICAL DATA

Memo, RDH, dated 9/10/63

E. K. Brakebill - B2SJ
G. J. Levinskas - A2SC
J. W. Lyons - B2SB
D. L. Sliney - B2SB
W. F. Symes - N1A

Mr. R. D. Hogue
N1A

I concur with your proposal to issue Special Reports on the Dequest 205X and Dequest 204X series.

W. B. Papageorge

/bt

DSW 173594

STLCOPCB4048115

W. B. Papageorge - General Offices, B1ND

September 24, 1973

PETROLITE H_3PO_3 SPECIFICATION

Memo, CSA to WBP, 8/31/73

J. DiTommaso - 1410
E. L. Moore - B2SJ
J. R. Murphy - G4NN
S. Vazopolos - N1A

Mr. C. S. Alack
B2SJ

In responding to Petrolite's request for the phosphoric acid content in our Phosphorous Acid, you may inform Mr. Daniels that analyses of a limited number of samples indicate that the phosphoric acid content is less than 0.2%. We have reason to believe that this is representative of the Phosphorous Acid sold to Petrolite.

We do not analyze for phosphoric acid and would like to avoid making this a routine test requirement.

W. B. Papageorge

/bt

DSW 173595

STLCOPCB4048116

W. B. Papageorge - General Offices, B1ND

September 24, 1973

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

SILESTER A-1

Revised Process Report No. 7521, 6/5/73
Job No. 47-000-764.40-6952

Mr. J. DiTommaso
1410 - Everett

In Table IV, page IV-6 of Amendment No. 1 to the reference report I note that the test methods listed differ from those listed in the Silester A-1 specification which became effective on May 20, 1970.

Which methods are used by the plant?

W. B. Papageorge

/bt

DSW 173596

September 24, 1973

Office of Continuing Education
S.U.N.Y. College of Environmental
Science and Forestry
Syracuse, New York 13210

Gentlemen:

I am interested in attending the EPA-OSHA IMPACT ON THE WOOD PRESERVATION INDUSTRY symposium to be held November 14 and 15 and would appreciate recieving a registration application indicating the amount of registration fee required. Please include details covering the symposium.

Thank you for your prompt consideration of this request.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173597

W. B. Papageorge - General Offices, BIND

September 24, 1973

AIRCO SPEER SPEC. NO. MSR-1071

D. C. Dieterich - 1150
R. D. McDaniel - B2SJ
D. Oosthuizen - G4NN

Mr. F. B. Klemencic
1010 - Akron

Enclosed are three copies of the Product Specifications for Lampblack No. 2. Please give these to Mr. Garlitz, Airco Speer, as discussed.

W. B. Papageorge

/bt

Enclosures-3

DSW 173598

STLCOPCB4048119

September 20, 1973

Mr. Fred Shupbach
Spartan Aluminum Company
Sparta, Illinois 62286

Dear Mr. Shupbach:

Confirming our telephone discussion of September 19, laboratory test results indicate that Monsanto's Pydraul 50E is more biodegradable than Monsanto's Pydraul 312C.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

cc: Mr. J. J. Roder
St. Louis

bcc: G. F. Fague - B2SC
E. S. Tucker - T2F

DSW 173599

STLCOPCB4048120

W. B. Papageorge - General Offices, BlND

September 20, 1973

A. R. Handleman - E2SJ
T. G. Iversen - 1650

PHOS CHEK--CITIES SERVICE (ALBI)

MHP Call Report, 8/23/73

Mr. H. H. Ponder
1650 - New York

Attached are product specifications for Phos Chek Regular and Fine which show the screen size. I recommend that you review these specifications with Mr. Tyler.

W. B. Papageorge

/bt

Attachments

DSW 173600

STLCOPCB4048121

September 20, 1973

Mr. C. E. Murdock
Stromberg Datagraphix
P. O. Box 2449
San Diego, California 92112

Dear Mr. Murdock:

As you requested, enclosed are copies of literature pertaining to polychlorinated biphenyls. I hope you find this material 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

DSW 173601

W. B. Papageorge - General Offices, B1ND

September 20, 1973

RAW MATERIAL
SPECIFICATIONS - ACL's

Mr. E. L. Moore
B2SJ

Enclosed are copies of the specifications for the raw materials used in the manufacture of ACL's as you requested last July. I apologize for the delay.

W. B. Papageorge

/bt

Enclosures

DSW 173602

STLCOPCB4048123

September 20, 1973

Ms. Diane K. Sommerer
Kirby & Sommerer Laboratories, Inc.
43 West 16th Street
New York, New York 10011

Dear Ms. Sommerer:

I have received your letter of September 14 requesting Aroclor samples and have enclosed 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, Aroclor 1242 and Aroclor 1254 forwarded to you. I regret I cannot provide samples of Aroclor 1232, Aroclor 1248, Aroclor 1260 or Aroclor 1262 but Monsanto has discontinued the manufacture of these products due to environmental considerations and our supply of samples has been depleted.

As you requested, enclosed is a copy of "Monsanto Methodology for Aroclor", which I hope you find interesting and informative.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures-2

DSW 173603

W. B. Papageorge - General Offices, B1ND

September 20, 1973

P. G. Benignus - B2SC
H. S. Bergen - B2SL
T. L. Gossage - B2SL

PCBs -- EPA
EFFLUENT STANDARDS

Memo, WBP to CP, 9/10/73

Dr. C. Paton
B2SC

Attached is another article from the FEDERAL REGISTER that I recommend be shared with our approved dielectric customers, in addition to the material I sent you on September 10.

W. B. Papageorge

/ht

Enclosure

DSW 173604

September 20, 1973

Mr. Wayne Thomason
Purchasing Agent
Industrial Products Division
The General Tire & Rubber Company
1218 Garfield Street
Wabash, Indiana 46992

Dear Mr. Thomason:

A copy of your letter requesting Material Safety Data Sheets covering the products you purchase from Monsanto has been forwarded to me to respond for Santocel 54. I have enclosed a Material Safety Data Sheet covering this product.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173605

STLCOPCB4048126

September 18, 1973

Mr. Robert D. Hickman
Regional Manager
Purchasing Co-ordination
McKesson Chemical Company
North Central Region
600 Hunter Drive
Oakbrook, Illinois 60521

Dear Mr. Hickman:

Monsanto's J. Coleman Weber has informed me of your request for a Material Safety Data Sheet covering our ACL-59. 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

cc: J. Coleman Weber
St. Louis

DSW 173606

(42

STLCOPCB4048127

September 18, 1973

Mr. R. R. Smith
Manager, Purchasing
Room 111,
Data Communication Products Dept.
General Electric Company
Waynesboro, Virginia 22980

Dear Mr. Smith:

Based on current knowledge of our raw materials and our processes, it is our best scientific opinion that the Santocel C which you have purchased from Monsanto does not contain any of the 14 chemicals listed by the Occupational Safety and Health Administration on page 10929 of the Federal Register, Volume 38, No. 85, dated May 3, 1973.

We share with you your concern over the impact on industry of these newly promulgated OSHA emergency standards. 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 173607

STLCOPCB4048128

September 17, 1973

Dr. Waynon Johnson
Fish Pesticide Research Laboratory
Fish and Wildlife Service
U.S. Department of the Interior
Route 1
Columbia, Missouri

Dear Dr. Johnson:

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/n 1723

DSW 173608

640

STLCOPCB4048129

W. B. Papageorge - General Offices, B1ND

September 17, 1973

MATERIAL SAFETY DATA
SHEET - SILESTER OS

Ms. P. Aldrich
1550 - Los Angeles

Enclosed is the Material Safety Data Sheet covering our Silester OS that you requested.

W. B. Papageorge

/bt

Enclosure

DSW 173609

STLCOPCB4048130

September 14, 1973

Mr. R. McClelland
Fansteel Advanced Castings
2906F Colorado Avenue
Santa Monica, California 94040

Dear Mr. McClelland:

Monsanto's Mr. E. M. Connors has informed me of your request for a Material Safety Data Sheet covering our Silester OS. Enclosed is the requested data sheet. I apologize for the delay in forwarding this to you but I was in the process of having this sheet prepared.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173610

STLCOPCB4048131

September 14, 1973

Fansteel Advanced Castings
810 Lawrence Drive
Newberry Park, California 91320

Attention: Marilyn

Dear Marilyn:

Monsanto's Mr. E. M. Connors has informed me of your request for a Material Safety Data Sheet covering our Silester OS. I have enclosed a copy of this Data Sheet. I apologize for the delay in forwarding this to you but I was in the process of having this Data Sheet prepared.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173611

September 14, 1973

Fansteel, Inc.
2906F Colorado Avenue
Santa Monica, California 90494

Attention: Martha Garcia

Dear Ms. Garcia:

Monsanto's Mr. E. M. Connors has informed me of your request for a Material Safety Data Sheet covering our Silester OS. I have enclosed a copy of this Data Sheet. I apologize for the delay in forwarding this to you but I was in the process of having this Data Sheet prepared.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173612

STLCOPCB4048133

September 11, 1973

Mr. George Blacklock
H. S. Simons (International) Ltd.
425 Carral Street
Vancouver, British Columbia
Canada

Dear Mr. Blacklock:

Mr. Tom Oneson has informed me of the concern for PCB and the environment expressed by members of your CCPA Electrical Committee. We understand and appreciate this concern and are pleased that groups such as your Committee, which can be influential in offering advice on the proper use, handling and storage of PCBs, are interested in becoming more familiar with the overall situation.

I am sending under separate cover copies of pertinent literature which Mr. Oneson has recommended. I believe your Committee members will find this material very informative and helpful in understanding how PCBs relate to the environment and what steps must be taken to control their escape to the environment yet permit the use of PCBs as dielectric fluids which offer the desirable benefit of being fire resistant.

Several years ago, when increasing evidence indicated that PCBs were being identified in the environment and may be having some effect on some species of wildlife, Monsanto launched a program which we believe has significantly reduced the chances of PCBs escaping into the environment.

The program, which Monsanto voluntarily implemented worldwide, consisted of a planned termination of sales to those applications in which control of escape to the environment was impractical. We have now reached that point in the program in which the only sales being made are to closed system uses such as capacitors and transformers in electrical systems for which a commercially available fire-resistant alternative fluid is not available.

40 ea - CCA Canadian Presentation, d/F-14, Askarel Snap + Maintenance Guide, PCB in Power Systems

DSW 173613

In conjunction with the restricted sales program we have kept our customers informed, by letters, bulletins, discussions and labels, of the need for extreme care which should be taken to prevent any PCBs from entering the environment through spills, leakage, use, disposal, vaporization or otherwise. We have also made available to our customers a used fluid disposal service which utilizes high temperature incineration for the complete destruction of PCBs.

You may ask "Why not discontinue the manufacture and sale of these products completely?". The answer is that in applications such as capacitors and transformers, the stability of the PCBs at high temperatures, and their fire-resistant properties, are vital in protecting public safety. At this time, there are no alternative materials available which possess the unique combination of properties in the PCBs. The electrical industry, Monsanto, and other chemical companies, have already spent significant time and effort in looking for alternatives which would not create environmental problems in case of accidental leakage. At this stage, these efforts have not been successful but the search will continue and I am confident that substitutes will be found in the future. In the meantime, we believe that our policy of restricting sales to vital closed systems, collecting and incinerating used fluids, and working with our customers to handle the product correctly to avoid spillage and discharge to the environment is in the best interest of the general public.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

cc: Mr. T. W. Oneson

bcc: P. G. Benignus
A. Erdman
C. Paton
D. Zaretsky - 5090

DSW 173614

September 12, 1973

Ms. Martha C. Wells
Department of Microbiology
The University of Texas
Austin, Texas 78712

Dear Ms. Wells:

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

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Aroclor 1221 S/N 1723
1016

DSW 173615

STLCOPCB4048136

September 11, 1973

Mr. J. E. Kovacic
Materials & Process Laboratories
Mail Station 5481
Univac Division
Sperry Rand Corporation
Univac Park
P. O. Box 3525
St. Paul, Minnesota 55165

Dear Mr. Kovacic:

I have receivedyour request for Aroclor samples and am forwarding samples of Aroclor 1242 and Aroclor 1254 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/s 1724
a-1254 }

DSW 173616

1.3.3

STLCOPCB4048137

September 11, 1973

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

Dear Dr. Greenwald:

I have received your request for samples of Aroclor 1221 and Aroclor 1248 and am forwarding a sample of Aroclor 1221 to you under separate cover. I regret I cannot supply a sample of Aroclor 1248 but Monsanto has discontinued the manufacture of this material and our supply of samples has been depleted.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1221 S/N 1720

DSW 173617

132

STLCOPCB4048138

September 11, 1973

Mr. Daniel Berardinelli
Manager, Water Supply
Division of Water Supply
City of Newark
1294 McBride Avenue
Little Falls, New Jersey 07424

Dear Mr. Berardinelli:

As you requested in your letter of August 29, I am pleased to enclose two copies of Monsanto's Methodology for Aroclor. 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

9 (2)

DSW 173618

6-21

STLCOPCB4048139

September 11, 1973

Dr. Waynon Johnson
Fish Pesticide Research Laboratory
Route 1
Columbia, Missouri 65201

Dear Dr. Johnson:

As you have requested, enclosed is a Request for Sample Quantity of Product Containing PCBs. Please return the completed form to me and I will have the samples requested forwarded to you.

I have also enclosed copies of the literature I promised to send you relating to Aroclor 1016.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

Aroclor 1016 Comparison to Aroclor 1242
" " Chromatogram
" " Typical Properties
Aroclor (PCB Type) Applications
PCB Manufacture & Sales 1957-1973(est.)

DSW 173619

STLCOPCB4048140

bcc: Mr. F. B. Klemencic - 1010
Mr. R. D. McDaniel - B2SJ

September 11, 1973

Mr. Bernard Edwards
Wooster Coatings and Chemicals
A Division of Whittaker Corporation
Post Office Box 382
Wooster, Ohio 44691

Dear Mr. Edwards:

Based on current knowledge of our raw materials and our processes, it is our best scientific opinion that the Lampblacks which you have purchased from Monsanto do not contain any of the 14 chemicals listed by the Occupational Safety and Health Administration on page 10929 of the Federal Register, Volume 38, No. 83, dated May 3, 1973.

We share with you your concern over the impact on industry of these newly promulgated OSHA emergency standards. You may wish to make your own assessment of our products.

In response to your request for information relating to the lead content of Monsanto's Lampblack #2, I have the following information to offer:

Lead (Pb) < 10 ppm

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

cc: Ms. Flo Harmon
Wooster Coatings
Mr. E. T. McNamara
The A.C. Mueller Co.

DSW 173620

STLCOPCB4048141

September 11, 1973

Mr. R. D. Munro, President
Hoosier Solvents & Chemicals Corp.
P. O. Box 22217
1650 Luett Street
Indianapolis, Indiana 46222

Dear Mr. Munro:

Your letter of August 6 addressed to Monsanto's office in Cincinnati relating to the Department of Labor list of carcinogens has been forwarded to me for response.

Our records indicate your company currently purchases the following products from Monsanto's Functional Products Groups:

Ethyl Acid Phosphate
HB-40
n-Butyl Acid Phosphate
Santocel 54
Santocel 62
Santocel 68
Santocel C

Based on current knowledge of our raw materials and our processes, it is our best scientific opinion that the products listed above which you have purchased from Monsanto do not contain any of the 14 chemicals listed by the Occupational Safety and Health Administration on page 10929 of the Federal Register, Volume 38, No. 83, dated May 3, 1973.

We share with you your concern over the impact on industry of these newly promulgated OSHA emergency standards. You may want to make your own independent assessment of our products.

DSW 173621

STLCOPCB4048142

Our records also indicate your company has purchased products from our Rubber and Process Chemicals Division. I have forwarded a copy of your letter to the appropriate individual in that group and you should be hearing from him shortly.

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

Sincerely,

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

WBP/bt

bcc: P. O. DeGarmo - B3NJ
F. B. Klemencic - 1010
C. H. Matzek - B2SJ
R. D. McDaniel - B2SJ
D. L. Sliney - B2SB

DSW 173622

W. B. Papageorge - General Offices, B1ND

September 10, 1973

Mr. W. D. Lubic
B1NB

The advertisement attached to your memo of September 7 and relating to Therminol for Brazil has been reviewed for Product Acceptability purposes and has my approval.

W. B. Papageorge

/bt

DSW 173623

STLCOPCB4048144

W. B. Papageorge - General Offices, B1ND

September 10, 1973

PCBs -- EPA
EFFLUENT STANDARDS

P. G. Benignus - B2SC
H. S. Bergen - P2SL
T. L. Gossage - B2SL

Dr. C. Paton
B2SC

Recently Howard Bergen asked if we were communicating to our dielectric customers the recent activities by EPA and its Advisory Committee concerning the presence of "toxic pollutants" in effluent streams.

I am not aware that we have adequately communicated this information and I recommend that the attached material be shared with our approved customers.

We are planning meetings with members of the Advisory Committee and as further information is developed we will forward it to you for subsequent release to your customers.

W. B. Papageorge

/bt

Attachments

DSW 173624

6.26

W. B. Papageorge - General Offices, BIND

September 10, 1973

PENTA

W. R. Corey
K. W. Easley
T. L. Gossage/B. G. Tibbetts
W. R. Richard/D. R. Dill
J. F. Stapleton/P. S. Park
E. P. Wheeler

Mr. H. S. Bergen
B2SL

As agreed during our meeting on September 4, I contacted Warren Easley's office and his secretary, Sally Baxter, responded to my questions as follows:

1. How much time do we have before commenting on Mr. Korp's letter dated August 8 to Dow?

   Answer: No particular urgency exists. We can wait until we have met with Koppers' representatives, after they have met with EPA.

2. What is source of chlorodioxin level of 5 ppm quoted in August 29 issue of PESTICIDE CHEMICAL NEWS, page 10?

   Answer: The author of the article was contacted. He admitted the 5 ppm was his number which he deliberately used hoping to attract EPA's attention. He indicated he is preparing a follow-up article in which he will quote EPA as considering 1 ppm hexa-chlorodioxin and 30 ppm octa-chlorodioxin acceptable in Penta.

W. B. Papageorge

/bt

DSW 173625

STLCOPCB4048146

bcc: C. S. Alack - B2SJ
Mary Johnson - 1650
R. C. Richardson - 1650
S. Vazapolos - N1A

September 7, 1973

Mr. Robert J. Fenner
Manager of Purchasing
Consumer Products Division
American Cyanamid Company
Wayne, New Jersey 07470

Dear Mr. Fenner:

Enclosed is a completed copy of your questionnaire relating to the microbiological susceptibility of Monsanto's Nonset (EMA-91).

I will attempt to obtain further information in response to your question No. 1 from a knowledgeable member of our research department who is, at present, vacationing and unavailable for consultation. As soon as I have the information I will forward it to you.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173626

STLCOPCB4048147

W. B. Papageorge - General Offices, BlND

September 7, 1973

E. L. Moore
H. Teicher
J. J. Zeman

RAW MATERIAL SPECIFICATION
BONE MEAL

In turn to:

J. E. Eldridge
D. C. Dieterich
W. F. Symes
R. F. Neunuebel
W. B. Papageorge

Attached are specifications for bone meal as recommended by J. E. Eldridge. Will you please sign in the appropriate space indicating your approval.

W. B. Papageorge

/bt

Attachment

DSW 173627

STLCOPCB4048148

September 7, 1973

Mr. David Tappan
Distillation Products Industries
Division of Eastman Kodak Company
P. O. Box 1910
Rochester, New York 14603

Dear Mr. Tappan:

In response to your inquiry relating to the presence of polychlorinated biphenyls in the Therminol 66 your company purchases from Monsanto Company, I can assure you that there are no polychlorinated biphenyls used as raw materials in the manufacture of Therminol 66 nor are they present in the equipment used in the process. To the best of our current knowledge and belief, polychlorinated biphenyls are not present in Therminol 66.

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

bcc: C. Paton/G. F. Fague

DSW 173628

(-27)

W. B. Papageorge - General Offices, B1ND

September 6, 1973

DEQUEST 2000 --
FMC-VANCOUVER

C. S. Alack - B2SB
E. M. Connors - 1550
R. D. Hogue - N1A
E. L. Moore - B2SJ
J. F. Murphy - 1410

In turn to:

J. DiTommaso
E. H. Kimball/W. L. Merman
W. F. Symes
E. K. Brakebill
W. B. Papageorge

Attached is the FMC-Vancouver specification proposal for Dequest 2000. Will each of you please sign in the appropriate space indicating approval.

W. B. Papageorge

/bt

Attachment

DSW 173629

STLCOPCB4048150

W. B. Papageorge - General Offices, BlND

September 6, 1973

W. R. Corey
D. B. Hosmer

MEETING WITH DR. MARTHA SAGER'S COMMITTEE

Mr. K. W. Easley
1920

It appears that I will be involved with a silo lawsuit in Ohio beginning on September 10. If the case goes to trial I am advised to be available for at least two weeks. I, therefore, recommend that a meeting with Dr. Sager and her committee be scheduled after September 24. The only other known conflict is an all day meeting I have scheduled on October 3 with Dr. G. Fred Lee, Texas A&M Consultant.

W. B. Papageorge

/bt

DSW 173630

L20

STLCOPCB4048151

W. B. Papageorge - General Offices, B1ND

September 6, 1973

ANALYTICAL METHODOLOGY --
THERMINOL 66

J. Armentor - 1460
G. F. Fague - B2SC
D. R. Miller - T3F
C. Paton - B2SC
D. E. Roush - B2SC

Dr. R. E. Keller
T1B

We have received requests from customers for analytical procedures which can be used to detect the presence of Therminol 66 (HB-40) in a low molecular weight, non-aromatic liquid. Do you have a procedure we can share with our customers?

W. B. Papageorge

/bt

DSW 173631

619

STLCOPCB4048152

W. B. Papageorge - General Offices, BlND

September 6, 1973

Mr. J. S. Metcalf

Attached are comments I have received from Howard Bergen and Jim Savage relating to the revised procedure for handling internal specifications.

W. B. Papageorge

/bt

Attachments

DSW 173632

STLCOPCB4048153

Monsanto

OUTGOING MESSAGE BLANK
Tele-Communications System

DATE 9/7/73 | TIME 9:45 | 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.

J. R. DURLAND
TOKYO

WE HEAR CONFLICTING REPORTS RELATING TO JAPANESE GOVERNMENT BAN ON THE MANUFACTURE, USE, IMPORTING OF EQUIPMENT CONTAINING PCBS. WHAT IS CURRENT STATUS?

W. B. PAPAGEORGE
ST. LOUIS, MO.

CC: H. S. Bergen
T. L. Gossage/C. Paton/P. G. Benignus

617

IN-IR REV. 7-64

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

DSW 173633

STLCOPCB4048154

W. B. Papageorge - General Offices, B1ND

September 6, 1973

LAMPBLACK -- GOODYEAR TIRE
AND RUBBER COMPANY
GOODYEAR CODE 841 (Rev. 2)

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

Mr. F. B. Klemencic
1010 - Akron

Emerson Eldridge informs me that Goodyear's proposed specification for Lampblack can be met with Lampblack 10X when the points raised in his memo to me dated August 28, a copy of which you received, have been clarified. These points are as follows:

1. Oil Absorption expressed on a weight basis.

2. Acetone Extract in lieu of "Benzene Extract."

3. Marking of bags.

Will you please contact Goodyear and obtain approval on these three alternatives.

W. B. Papageorge

/bt

DSW 173634

6/6

STLCOPCB4048155

W. B. Papageorge - General Offices, B1ND

September 6, 1973 L. H. Hannah - T4A

BIODEGRADABILITY - PESTICIDES
IOWA DEPARTMENT OF ENVIRONMENTAL QUALITY

Dr. P. O. DeGarmo
B3NJ

Attached is a copy of a letter from Mr. Hugh B. Collins, Department of Environmental Quality, State of Iowa, requesting information on the biodegradability of pesticides and farm chemicals. I understand Larry Hannah is coordinating the response relating to the Agricultural Chemicals Division's products. I will respond for PCP (Pentachlorophenol). Will you please handle the response for ortho-dichlorobenzene and para-dichlorobenzene. I propose that Larry be contacted to assure consistency in our responses.

W. B. Papageorge

/bt

Attachment

DSW 173635

115

STLCOPCB4048156

W. B. Papageorge - General Offices, BIND

September 6, 1973

WHO MEETING ON PCBs

K. W. Easley - 1920
P. J. A. Marsh - 5040
J. Mason - 5040
H. A. Vodden - 5040
E. P. Wheeler - A2SA

Mr. S. Turover
Brussels - 5040

Your File memo elaborating on the forthcoming WHO meeting on PCBs was most informative.

I concur with your proposed action and I would appreciate any further information you can obtain.

W. B. Papageorge

/bt

DSW 173636

STLCOPCB4048157

September 6, 1973

Dr. J. E. Brydon
Acting Chief
Environmental Contamination
Control Division
Ecological Protection Branch
Environmental Protection Service
14th Floor Place Vincent Massey
Ottawa, Ontario
Canada

Dear Dr. Brydon:

Our recent PCB discussions were to me very informative and I hope that everyone present found the exchange of information beneficial. I sincerely appreciated the interest which was evident and the hospitality which your group offered.

Enclosed are copies of Monsanto's procedures for evaluating the environmental impact of its new products and processes, both current and new. These are the procedures which I had promised to send you. I would appreciate receiving from you any comments you may wish to offer.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

cc: Mr. T. Oneson
Montreal

DSW 173637

September 5, 1973

Mr. Charles G. Castle
U.S. EPA - Region 5
EES, 1 North Wacker Drive
Chicago, Illinois 60606

Dear Mr. Castle:

Enclosed are copies of the PCB literature you requested.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

X, AA, CC, M, T, W, BB

DSW 173638

6-11

STLCOPCB4048159

September 5, 1973

Mr. James Cloud
Plibrico Company
1866 North Darcey Street
Chicago, Illinois 60614

Dear Mr. Cloud:

Dr. Harry Teicher informed me of your need for analytical methods relating to our former products marketed under the Alkophos trademark.

I have attached copies of methodologies used by our control laboratory to determine P_2O_5 Content, Insolubles in 10% Al $(H_3PO_4)_3$, Viscosity, Specific Gravity and Color. I regret I do not have a procedure for determining free phosphoric acid. We had no occasion to make this determination, therefore, a methodology was not developed for this chemical system.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

cc: Dr. Harry Teicher

DSW 173639

610

STLCOPCB4048160

W. B. Papageorge - General Offices, BlND

September 5, 1973

Mr. Tom Oneson
5090 - Montreal

The article which appeared in Electrical World of June 15 reporting the transformer fluid spill near Kingston, Tennessee is basically factual.

Some discrepancies which I note are as follows:

The cost to General Electric, I am told, will exceed the $350,000 mentioned and probably approach $750,000 to $1,000,000.

Three transformers were involved, each containing 500 gallons of fluid.

The total of 1500 gallons was not all PCB. Tri- and tetrachlorobenzenes were also involved.

This incident highlighted the importance of informing all individuals, including truck drivers, of the need to contact appropriate individuals for instructions whenever an unusual situation involving PCBs develops.

W. B. Papageorge

/bt

DSW 173640

September 5, 1973

Mr. Lyman Reynolds
Tennessee Eastman Company
Division Eastman Kodak Company
Eastman Road
Kingsport, Tennessee 37662

Dear Mr. Reynolds:

Your request for information relating to the polychlorinated biphenyl (PCB) content of Monsanto's Therminol heat transfer fluids was forwarded to me for response.

Therminol 77 is no longer produced or marketed by Monsanto. The remaining heat transfer fluids, Therminol 44, Therminol 60, Therminol 66 and Therminol 88, which are still available are not manufactured from any raw materials which contain PCBs, nor are they produced in equipment which uses PCBs in any form. To the best of our current knowledge the Therminols now available from Monsanto do not contain any PCBs.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

cc: Mr. D. E. Roush

bcc: C. Clay - 1070
G. F. Fague - B2SC
H. R. Ford - 1070

DSW 173641

W. B. Papageorge - General Offices, B1ND

September 5, 1973

C. S. Alack - B2SJ
J. R. Murphy- G4NN

PHOSPHOROUS ACID
PETROLITE CORPORATION

Mr. J. DiTommaso
1410 - Everett

In responding to your question relating to the presence of iron in Phosphorous Acid for the Tretolite Division of Petrolite Corporation, it is my understanding that the limit has been set at 70 ppm maximum. This limit is included in a proposed spec which was forwarded to Marketing on May 14. A copy is attached. To my knowledge, Petrolite has not given formal approval.

Recently Petrolite has expressed an interest in the amount of phosphoric acid. Do you have any information that would help determine a level that we can propose?

W. B. Papageorge

/bt

Enclosure

DSW 173642

W. B. Papageorge - General Offices, BIND

September 5, 1973

PCB DISPOSAL - AUSTRALIA

C. F. Fague - B2SC
R. F. Carnsworthy - 5020
J. H. Haggart - 5040
E. Herzenberg - 5020
A. J. Koenig - B2SK
D. B. Shearn - 5460

Dr. C. Paton
B2SC

The reluctance of representatives of a governmental entity to accept for disposal the wastes generated in other areas is understandable and becoming more prevalent.

The movement of PCB wastes into the U.K. has become a subject of some discussion with representatives of the Department of the Environment and at present could probably be described as an "irritant" which could develop into a more difficult situation.

I believe that the return of waste material for disposal would be more acceptable to local authorities if we can demonstrate that the material was returning to the country in which it was produced. I, therefore, recommend that the PCBs in Australia be returned to their original source.

W. B. Papageorge

/bt

DSW 173643

STLCOPCB4048164

September 4, 1973

Dr. David C. White
Department of Biological Science
The Florida State University
Tallahassee, Florida 32306

Dear Dr. White:

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
A-1254 } s/x 1719

DSW 173644

STLCOPCB4048165

September 4, 1973

Mr. J. E. Kovacic
Materials & Process Laboratories
Mail Station 5481
Univac Division
Sperry Rand Corporation
Univac Park
P. O. Box 3525
St. Paul, Minneosta 55165

Dear Mr. Kovacic:

I have received your letter of August 23 requesting Aroclor samples. Enclosed is a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will arrange to have samples of the available Aroclors 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 173645

STLCOPCB4048166

September 4, 1973

Mr. M. J. Cook
Technical Director
Dierks Division - Paper Products
Weyerhaeuser Company
P. O. Box 7857
Pine Bluff, Arkansas 71601

Dear Mr. Cook:

Your letter of August 16 addressed to Monsanto's Mr. B. G. Tibbetts requesting information relating to Monoammonium Phosphate and Sodium Sulfite has been forwarded to me for response.

Based on current knowledge of our raw materials and our processes, it is our best scientific opinion that the Monoammonium Phosphate and Sodium Sulfite you have purchased from Monsanto does not contain any of the 14 chemicals listed by the Occupational Safety and Health Administration on page 10929 of the Federal Register, Volume 38, No. 85, dated May 3, 1973.

We share with you your concern over the impact on industry of these newly promulgated OSHA emergency standards. You may want to make your own independent 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. B. G. Tibbetts
Mr. R. S. Trump

DSW 173646

DSW 173647

August 31, 1973

Mr. Almon A. Staples, Jr.
Purchasing Agent-Chemicals
S. D. Warren Company
A Division of Scott Paper Company
Westbrook, Maine 04092

Dear Mr. Staples:

In response to Edna L. Cressey's letter of August 7 to Monsanto's Boston office relating to the hazardous and toxic nature of Monsanto's Syton P, I am pleased to send you our Material Safety Data Sheet covering this product. This is the form that is generally accepted by the industry and I hope it will fulfill your needs

I have also enclosed a copy of our Product Profile and Product Specification sheets for this product.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

bcc: B. G. Tibbetts
R. Trump

DSW 173648

STLCOPCB4048169

August 31, 1973

Mr. Larry Farmer
American Home Assurance Company
1819 Peachtree N.E.
Atlanta, Georgia 30309

Dear Mr. Farmer:

Enclosed are copies of literature pertaining to polychlorinated biphenyls as you requested. I hope this information is helpful to you in your understanding of PCBs.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

I, M, X, BB, AA, CC

DSW 173649

STLCOPCB4048170

August 30, 1973

Mr. W. H. Jones
Manager of Supply
Coatings & Resins Materials
PPG Industries, Inc.
One Gateway Center
Pittsburgh, Pennsylvania 15222

Dear Mr. Jones:

Monsanto's Mr. F. B. Klemencic has informed me of your request for specifications for our Lampblack No. 1. Enclosed is a Product Specification sheet covering this product.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Mr. F. B. Klemencic

bcc: Mr. R. D. McDaniel

DSW 173650

August 30, 1973

Mr. Joseph V. Knight
Acushnet Company
P. O. Box E916
New Bedford, Massachusetts 02742

Dear Mr. Knight:

Your letter of July 13 addressed to Monsanto's Akron office requesting information relating to Aroclor 1254 has been forwarded to me for response.

Based on current knowledge of our raw materials and our processes, it is our best scientific opinion that the Aroclor 1254 which you have purchased from Monsanto does not contain any of the 14 chemicals listed by the Occupational Safety and Health Administration on page 10929 of the Federal Register, Volume 38, No. 85, dated May 3, 1973.

We share with you your concern over the impact on industry of these newly promulgated OSHA emergency standards. You may want to make your own independent assessment of our product.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173651

597

STLCOPCB4048172

bcc: R. D. McDaniel - B2SJ

August 30, 1973

Mr. G. L. Davis
Purchasing Department
Chemical Division
General Mills, Inc.
So. Kensington Road
Kankakee, Illinois 60901

Dear Mr. Davis:

I have been informed of your request for information relating to Monsanto's Isooctyl Acid Phosphate.

Based on current knowledge of our raw materials and our processes, it is our best scientific opinion that the Isooctyl Acid Phosphate which you have purchased from Monsanto does not contain any of the 14 chemicals listed by the Occupational Safety and Health Administration on page 10929 of the Federal Register, Volume 38, No. 85, dated May 3, 1973.

We share with you your concern over the impact on industry of these newly promulgated OSHA emergency standards. You may want to make your own independent assessment of our product.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173652

W. B. Papageorge - General Offices, BlND

August 30, 1973

MATERIAL SAFETY DATA
SHEET - [illegible]

Mr. H. Teicher
NlA

I have received a request for a Material Safety Data Sheet covering our Triethylammonium Phosphate. I have enclosed an OSHA-20 form for this product and would appreciate your help in completing this form.

Thank you.

W. B. Papageorge

/bt

Enclosure

DSW 173653

597

Barbara Tredway - General Offices, B1ND

August 30, 1973

PRODUCT SPECIFICATION SHEETS
SCS PRODUCTS

Sallie Clubbs
G4NN

As you requested, enclosed is one copy of each available Product Specification sheet for Special Chemical Systems products for Mr. F. B. Klemencic.

Barbara Tredway

Enc.

DSW 173654

STLCOPCB4048175

August 29, 1973

Dr. Ted Turner
Quality Assurance Department
Borden Company
P. O. Box 533
Elgin, Illinois 60120

Dear Dr. Turner:

I have received your request for samples of Aroclor 1242, Aroclor 1254 and Aroclor 1260 and am forwarding samples of Aroclor 1242 and Aroclor 1254 to you under separate cover.

I regret I cannot supply a sample of Aroclor 1260 but, 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

A-1242 } s/a 1718
A-1254 }

DSW 173655

59

STLCOPCB4048176

August 29, 1973

Dr. C. L. Keswani
Life Sciences Division
Syracuse University Research Corp.
Merrill Lane
University Heights
Syracuse, New York 13210

Dear Dr. Keswani:

I have received your letter of August 21 requesting a sample of Aroclor 1016. Enclosed is a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will make arrangements to have this sample forwarded to you.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173656

594

STLCOPCB4048177

August 28, 1973

Mr. Carl Ogden
Mead Johnson & Company
2404 W. Pennsylvania Street
Evansville, Indiana 47721

Dear Mr. Ogden:

I have been informed of your request for samples of Monsanto's Aroclor 1221, Aroclor 1248 and Aroclor 1262. Enclosed is a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will make arrangements to have a sample of Aroclor 1221 forwarded to you.

I regret I cannot supply a sample of either Aroclor 1248 or Aroclor 1262 but, due to environmental considerations, Monsanto has discontinued the manufacture of these two 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 173657

593

August 28, 1973

Mr. Phillip A. Guarino, Manager
Corporate Analytical Services
McCormick & Company, Inc.
McCormick Building
Baltimore, Maryland 21202

Dear Mr. Guarino:

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

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1221
1242
1254
} SM/ 1717

DSW 173658

592

August 28, 1973

Dr. Barbara C. Levin
National Institute of Health
Room 3C25, Building 36
Bethesda, Maryland 20014

Dear Dr. Levin:

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

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1016
1242
1254
} 1716

DSW 173659

591

August 28, 1973

Mr. Robert Rezek
Purchasing Division
City of Omaha
108 South 18th Street
Room 513, City Hall.
Omaha, Nebraska 68102

Dear Mr. Rezek:

As you requested by telephone the other week, enclosed are two additional copies 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

9-22a.

DSW 173660

STLCOPCB4048181

August 28, 1973

Dr. R. H. T. Mattoni
Agri-Science Laboratories, Inc.
3309 West El Segundo Boulevard
Hawthorne, California 90250

Dear Dr. Mattoni:

I have received your letter of August 20 requesting samples of Aroclor 5432, Aroclor 5442 and Aroclor 5460 and regret to inform you that, due to environmental considerations, Monsanto has discontinued the manufacture of the chlorinated terphenyls and our supply of samples of these products has been depleted.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173661

589

bcc: J. M. Kuenz - Chicago
R. D. McDaniel - B2SJ

August 28, 1973

Mr. Gerry Ehrhardt
Vice President - Technical
Frye Copysystems
Post Office Box 854
Des Moines, Iowa 50304

Dear Mr. Ehrhardt:

I have received your letter of July 17 addressed to Monsanto's office in Des Plaines, Illinois requesting a copy of our product specifications for Lampblack #10 and am enclosing a copy of these specifications.

I regret and apologize for the delay in responding to this request but your letter of April 27, 1973 was, somehow, not brought to my attention.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173662

588

STLCOPCB4048183

August 22, 1973

Mr. Peter Martin
Instituto de Investigaciones
Agro-Industriales
Av. La Universidad 595
La Molina
Apartado 11294
Lima 14, Peru

Dear Mr. Martin:

As you requested in your memo to Monsanto Company dated August 10, 1973, I am forwarding to you samples of our Aroclors 1221, 1242 and 1254 under separate cover.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/jfh

A-1221
A-1242
A-1254
} S/N 1715

DSW 173663

STLCOPCB4048184

August 22, 1973

Dr. C. H. Bastomsky
Thyroid Laboratory
Allan Memorial Institute
1033 Pine Avenue West,
Montreal 112, PQ

Dear Dr. Bastomsky:

Your request to D. B. Zaretzky for 8 ozs. sample of Aroclor 1254 was forwarded to my office. I am forwarding a sample of Aroclor 1254 to you under separate cover.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/jfh

A-1254 c/n 1714

DSW 173664

5-86

STLCOPCB4048185

W. B. Papageorge - St. Louis (B1ND)

August 22, 1973

Polaroid - Free Acid Analysis

C. S. Alack - B2SB
E. K. Brakebill - B2SJ
T. G. Iversen - 1650
E. L. Moore - B2SJ
G. D. Nelson - N1A
M. H. Ponder - 1650

Dr. Shengen Hu
N1A

Responding to your question relating to our acceptance of duplicate determinations, I suggest we agree with Polaroid, but I also would like to emphasize that everyone should be aware that we are in a "learning" process and we should carefully interpret all information which is generated.

W. B. Papageorge

WBP/jfh

DSW 173665

5-85

STLCOPCB4048186

W. B. Papageorge - St. Louis (BlND)

August 22, 1973

F. Klemencic - 1650
R. D. McDaniel - B2SJ

Parr, Inc. - Lampblack No. 2

Mr. J. Emerson Eldridge
Camden Plant - 1150

Attached is a request from Parr, Inc., relating to Lampblack No. 2. Can the plant consistently meet all of the requirements requested?

W. B. Papageorge

WBP/jfh

w/attachments

DSW 173666

5-84

W. B. Papageorge - St. Louis (D1ND)

August 22, 1973

Santocel Z - Sherwin Williams Company

J. DiTommaso - 1410
E. H. Kimball - 1410
F. B. Klemencic - 1010
R. D. McDaniel - B2SJ
H. Teicher - N1A

Mr. C. H. Matzek
B2SJ

Joe DiTommaso recently informed us the plant could not meet Sherwin Williams' proposed Santocel Z specification because four of the five tests listed are not made by the plant.

Can we propose the specification shown on the attached for Sherwin Williams' consideration or does the account warrant special attention.

W. B. Papageorge

WBP/jfh

w/attachment

DSW 173667

598

August 22, 1973

Dr. Ted Turner
Quality Assurance Department
Borden Company
P. O. Box 533
Elgin, Illinois 60120

Dear Dr. Turner:

Dr. G. W. Selleck informed me of your request for laboratory standard samples of Monsanto's Aroclor 1242 and Aroclor 1254.

I have attached a copy of a sample request form. Please return the completed form and I will arrange for the shipment of the samples to you.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/jfh

cc: Dr. G. W. Selleck
C3NB

w/attachment

DSW 173668

5-82

STLCOPCB4048189

W. B. Papageorge - St. Louis (B1ND)

August 22, 1973

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

Central Foundry Div., General Motors - PCB Sludge

Memo GFF to CP/TLG, 8/8/73

Mr. T. L. Gossage
B2SL

The disposal alternatives discussed with Central Foundry are all environmentally acceptable. However, I have some serious concerns regarding the use of Monsanto's "toxic dump" or the use of a facility arranged by Monsanto.

The "toxic dump" at the W. G. Krummrich Plant has at this time limited capacity, and to the best of my knowledge has not been made available for the disposal of large quantities of waste from customers. Arranging for disposal at other locations is not an easy process because properly managed operations are scarce. We are familiar with the Rollins-Purle and the Chem-Trol Pollution Services Company and recently became aware of Texas Ecologists, Inc., in Houston.

If for business reasons, we decide that we will actively help Central Foundry and offer them our plant facilities, we should immediately discuss this with Jim Savage because this service will be an unusual activity and require special handling at the plant. It appears to me that if outside firms are to be involved, it might best be arranged between these firms and Central Foundry thereby avoiding any direct involvement by Monsanto.

W. B. Papageorge

WBP/jfh

DSW 173669

581

STLCOPCB4048190

W. B. Papageorge - St. Louis (BlND)

August 22, 1973

J. N. Haggart - 5040
D. B. Shearn - 5460

PCB Disposal - Australia

Mr. C. Paton
B2SC

John Haggart has asked if waste PCBs from Australia can be received in the U.S. (copy of telex dated 8/21/73 attached).

What suggestions have been given to R. F. Garnsworthy? What difficulties have been encountered?

W. B. Papageorge

WBP/jfh

w/attachment

DSW 173670

550

STLCOPCB4048191

W. B. Papageorge, St. Louis General Offices

August 21, 1973

FMC - Dequest 2000 Specification

Memo CSA/EML-WBP, 8-10-73

C. S. Alack
E. K. Brakebill
E. M. Connors
R. D. Hogue
J. F. Murphy

J. DiTommaso

Please proceed to circulate approval copy of a special product specification for Dequest 2000 to be sold to FMC-Vancouver.

W. B. Papageorge

WBP:rb

DSW 173671

579

W. B. Papageorge - St. Louis (B1ND)

August 20, 1973

PCB - Heat Transfer Systems

D. R. Dyroff - N1A
D. E. Roush - B2SC
W. F. Symes - N1A

Dr. C. F. Callis
N1A

Back in late 1970 and early 1971, we conducted a Monsanto worldwide audit to locate systems at all locations which contain the PCB fire resistant heat transfer fluids marketed under the Aroclor, Therminol FR, and Santotherm FR trademarks.

We thought we had located and converted all such units; however, last Friday I was informed that a small heat transfer system containing Aroclor 1248 was still operating in the "N" Building laboratory. Dave Dyroff was involved in attempting to order replacement fluid. He can therefore help you locate the specific unit in question.

I recommend strongly that someone be assigned the task of reviewing all such applications in the "N" Building and arranging for immediate conversion to non-PCB fluids. Mr. D. E. Roush, Technical Services Manager, is available to provide conversion information.

W. B. Papageorge

WBP/fjh

DSW 173672

378

STLCOPCB4048193

W. B. Papageorge - St. Louis (B1ND)

August 20, 1973

D. B. Hosmer - E1SF
J. S. Metcalf - B1NC

Professor G. Fred Lee

Mr. J. E. Maurer
E1SA

The consulting agreement we have with Dr. Lee has thus far been mutually disappointing. Dr. Lee has expressed the opinion that he has not been as helpful as he would have liked primarily because he doesn't know Monsanto and its problems as well as he believes he should, and, at the same time, Monsanto representatives are not aware of what help Dr. Lee is capable of offering.

To fulfill his one visit commitment, Dr. Lee is spending a day with us on October 3. I hope that at that time we can discuss with Dr. Lee what future arrangements, if any, can be made.

W. B. Papageorge

WBP/jfh

DSW 173673

5-76

W. B. Papageorge - St. Louis (B1ND)

August 20, 1973

Dow EC-7

Memo BGT/HSB 8/16/73

Mr. B. G. Tibbetts
B2SE

H. S. Bergen -- B2SL
D. R. Dill - C1E
J. T. Garrett - A2SA
T. L. Gossage - B2SL
E. V. John
W. R. Richard - T3A

I have attempted with the help of our Public Relations department to discreetly determine if Dow has issued a news release on our Dowcide EC-7. As of Friday, August 17, no release has been issued and our Dow contacts were not aware of any pending release.

W. B. Papageorge

WBP/jfh

DSW 173674

575

W. B. Papageorge - St. Louis (B1ND)

August 20, 1973

Messrs.
R. S. Baker - B2SB
H. S. Bergen - B2SL
T. L. Gossage - B2SL
W. R. Richard - T3A
J. R. Savage - B2SL
D. L. Sliney -- B2SB
W. F. Symes - N1A
J. J. Zeman - B2SB

Attached is the latest version of a procedure describing the method for establishing and applying internal product specifications. Will you please review critically and forward to me any comments.

W. B. Papageorge

WBP/jfh

w/attachments

DSW 173675

5-74

STLCOPCB4048196

W. B. Papageorge - St. Louis (B1ND)

August 20, 1973

Santocels - Pesticide Application

C. H. Matzek - B2SJ
G. R. Sido - G4EC
D. L. Sliney - B2SB
H. Teicher - N1A

Mr. R. D. McDaniel
B2SJ

Attached is a copy of a policy statement by David Dominick, EPA, which appeared in the Federal Register on August 10, 1973.

You will note that silica gel is authorized for use in "crack and crevice treatment" in food areas. I do not know if any thought has been given to registering our Santocels for pesticide applications, but I thought you might find the attached of some interest in evaluating potential product applications.

W. B. Papageorge

WBP/jfh

w/attachment

Fed Reg - 8/10

DSW 173676

573

STLCOPCB4048197

W. B. Papageorge - St. Louis (B1ND)

August 20, 1973

D. C. Dieterich - 1150
T. G. Iversen - 1650
M. H. Ponder - 1650

Mould Coat - ASARCO
Perth Amboy, New Jersey

Mr. R. D. McDaniel
B2SJ

Attached are copies of product specification sheets for Mould Coat.

I recommend that these be presented to ASARCO for their acceptance.

W. B. Papageorge

WBP/jfh

w/attachment

DSW 173677

STLCOPCB4048198

W. B. Papageorge - St. Louis

August 20, 1973

Pesticide Registration

Mr. W. R. Corey
B2SL

R. S. Baker - B2SB
H. S. Bergen - B2SL
K. W. Easley - 1920
T. L. Gossage - B2SL
R. A. Herman - B2SJ
J. R. Savage - B2SL
D. L. Sliney - B2SB
J. F. Stapleton - B2SA
B. G. Tibbetts - B2SE
J. J. Zeman - B2SB

Attached is a copy of a proposed rule making relating to pesticide establishment registration, labeling, and reporting. This proposed rule making appeared in the Federal Register dated July 24, 1973. The products in our business groups that are affected are ACL's, Penta, and Santobrite.

The provision of most concern is the requirement that all registered pesticide producers submit within thirty days of registration and annually thereafter, production, sales and distribution reports. I find, however, that this requirement is required by the Federal Insecticide, Fungicide, and Rodenticide Act as amended; therefore, expressing any concern for this provision at this time would not be appropriate.

I have discussed this rule making with Warren Easley, Jack Early, Bob Sido, Bill Catron, Ira Hill and Elmer Wheeler. It appears that no one in Monsanto plans to comment on this proposal. The Agricultural Products Division is participating in the preparation of comments to be submitted by the National Agricultural Chemicals Association. A draft of these proposed comments is also attached.

Since the reporting requirements are required by law and the number of our products involved is small, I do not believe we should submit comments.

W. B. Papageorge

WBP/jfh

w/attachments

Fed Reg. 7/24

DSW 173678

5-71

STLCOPCB4048199

August 20, 1973

Mr. L. B. Arnold, Jr.
Vikon Chemical Company, Inc.
P. O. Box 277
Elon College, North Carolina 27244

Dear Mr. Arnold:

Attached is information relating to safe handling of biphenyl and a list of industrial hygiene consultants who can assist you in evaluating the biphenyl exposure of your workers.

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/jfh

w/attachments

DSW 173679

STLCOPCB4048200

W. B. Papageorge - General Offices, B1ND

August 17, 1973

E. H. Kimball - 1410
C. H. Matzek - B2SJ
R. D. McDaniel - B2SJ
H. Teicher - N1A

Mr. J. DiTommaso
1410

I note in your Second Quarterly Report of Analyses of Food Grade Products that the heavy metal content of Santocel exceeded the 30 ppm maximum during April, May and June. Is this normal? Do we have an explanation?

W. B. Papageorge

/bt

DSW 173680

569

STLCOPCB4048201

W. B. Papageorge - General Offices, B1ND

August 17, 1973

1973 SPECIALTY PRODUCTS
BUSINESS GROUP OBJECTIVES

Mr. H. S. Bergen
B2SL

Although this total area of environmental and safety considerations is complex and rapidly changing, I believe we are performing well in achieving the objectives under Item III.

1. As you know, our contacts with EPA regarding Penta have been frequent and we believe the situation is one in which the agency will not take precipitous action. However, we have experienced some frustration in determining what EPA's plans are in regard to Penta.

2. The corporate surveillance program on Specialty Products products began with considerable enthusiasm under Bill Richard's guidance. Our initial hopes were that we could include all of our products in this environmental impact audit. We find, however, that the administrative workload we generated became so large that the Medical Department could not respond quickly. We were asked to narrow our scope and submit, at least initially, only those products which appeared to have potential for creating environmental problems. The Research group is reviewing their approach.

3. I have not been involved with manufacturing site commitments. I suggest that Jim Savage, working with Des Hosmer's group, might be able to contribute to this item.

W. B. Papageorge

/bt

DSW 173681

5-6-8

STLCOPCB4048202

W. B. Papageorge - General Offices, B1ND

August 17, 1973

ASBESTOS --
SILICON DIOXIDE
WBP Memo to HT, 7/25/73

J. DiTommaso - 1410
C. H. Matzek - B2SJ
R. D. McDaniel - B2SJ
H. Teicher - N1A

Mr. P. L. Wright
A2SC

Harry Teicher informs me that there is no reason to believe that our Santocels and Sytons would contain "asbestos-form particles." We have never analyzed for these particles and do not have an analytical methodology for determining their presence. If these particles are present they would very likely be the result of external contamination, such as pipe insulation.

W. B. Papageorge

/bt

DSW 173682

567

STLCOPCB4048203

W. B. Papageorge - General Offices, B1ND

August 17, 1973

AIRCO SPEER SPECIFICATION NO.
MSR-1071 DATED MAY 11, 1973

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

Mr. F. B. Klemencic
1010 - Akron

Recent correspondence dated July 17 from Mr. J. W. Garlitz, Airco Speer, refers to Lampblack 10C. Previous correspondence referred to Lampblack 2. The proposed specifications which I forwarded to you in my memo dated May 29 relate to Lampblack 2. The typical properties listed in Mr. Garlitz' letter also relate to Lampblack 2. I am, therefore assuming that Mr. Garlitz is interested in Lampblack 2.

The limits which I proposed were based on my review of the Monsanto specification for this product and was intended to assure that we could supply this product with about a 95% probability that the material we produce would meet the specifications. You will note that the limits I propose are the upper limits shown on the attached product specification sheet.

Mr. Garlitz used our "typical" information to establish his proposed limits. Our "typical" numbers represent roughly the average of the range shown on the attached sheet. I do not have any information relating to the plant's ability to consistently produce enough of the "typical" material to satisfy Airco Speer's requirements.

If it is believed that this account justifies a fairly tight special specification, I will discuss with the plant what it will take to produce this type of material.

W. B. Papageorge

/bt

Enclosure

DSW 173683

STLCOPCB4048204

W. B. Papageorge - General Offices, B1ND

August 17, 1973

CPSC REQUEST FOR
EVC1 SAMPLES

J. G. Bergomi - B2SP
K. W. Easley - 1920
M. E. Gibbs - W1A
T. L. Gozzage - B2SL
M. V. Merchant - Q2C
W. R. Richard - T3A

Mr. F. G. Sutton
B2SD

I recommend that you supply Dr. Mazzola samples of your most commonly used EVCIs -- one representative of the amide functional type and the other representative of the carboxyl functional type. Further, since Dr. Mazzola mentioned he will develop methodologies for identifying and isolating flame retardant chemicals, the samples we forward should be representative of the material we represent as being fire retardant.

W.B. Papageorge

/bt

DSW 173684

565

STLCOPCB4048205

W. B. Papageorge - General Offices, B1ND

August 17, 1973

K. W. Easley - 1920
J. F. Stapleton - B2SA

POLYCHLORINATED TERPHENYL
PRODUCTION -- 1959-1972

Mr. W. R. Corey
B2SL

Attached is the production information for the chlorinated terphenyls, restructured to show total production and expressed in tons.

W. B. Papageorge

WBP/bt

Attachment

DSW 173685

1.1

STLCOPCB4048206

POLYCHLORINATED TERPHENYLS

YEAR	PRODUCTION (In short tons) in M
1959	1.5
1960	1.9
1961	1.2
1962	2.2
1963	2.5
1964	2.6
1965	3.2
1966	4.1
1967	4.7
1968	4.4
1969	5.8
1970	8.9
1971	10.1
1972*	4.1

* Production was terminated in April, 1972

DSW 173686

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

August 17, 1973

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

Dear Mr. Arnold:

I have reviewed your Specification D4Y13-S1 and compared it to our specifications for Monsanto's Santocel C.

I find that your limits for the following properties are acceptable:

Silicon Dioxide, SiO_2
Sodium Sulfate, Na_2SO_4
Total Volatile Matter at 600°C (as produced)
Retained on No. 325 Screen
Acid Number, mg KOH/g (as produced)
Appearance

The remaining two properties you proposed (Aluminum Oxide, Al_2O_3, plus Ferric Oxide, Fe_2O_3; and Volatile Matter at 105-110°C) are properties we do not test for because we do not believe the information obtained contributes significantly to the characterization of the material. I propose these two properties be deleted from your specification.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173687

STLCOPCB4048208

Monsanto

OUTGOING MESSAGE BLANK
Tele-Communications System

DATE 8/17/73 | TIME 11:30 | SENDER'S ACCOUNT NO. 47-000-735.40

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

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

F. B. KLEMENCIC
AKRON

DO NOT HAVE A MATERIAL SAFETY DATA SHEET ON EEAP AVAILABLE TO SEND TO STAR BRONZE CO. WILL HAVE ONE PREPARED AND FORWARD TO CUSTOMER AS SOON AS COMPLETED.

W. B. PAPAGEORGE
ST. LOUIS

562

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

DSW 173688

STLCOPCB4048209

W. B. Papageorge - General Offices, BIND

August 17, 1973

G. F. Fague - B2SC
J. N. Haggart - 5040
P. S. Park - B2SA
C. Paton - B2SC
E. P. Wheeler - A2SA

BIPHENYL

Mr. A. Arpino
5040 - Brussels

During a biphenyl discussion in February, we developed an action plan which included a review of current and old biphenyl literature used by MCL/MESA.

Will you please have someone accumulate this material and forward it to St. Louis for review by representatives of the Law and Medical Departments.

W. B. Papageorge

/bt

DSW 173689

521

STLCOPCB4048210

W. B. Papageorge - General Offices, BIND

August 17, 1973

BIPHENYL

G. F. Fague - B2SC
P. S. Park - B2SA
C. Paton - B2SC
E. P. Wheeler - A2SA

Dr. R. E. Keller
TIB

I understand that an analytical methodology for the determination of the biphenyl content of air in the workroom area has been developed and analyses have been made by both the Anniston and Krummrich plants. Has the evaluation been completed and is the methodology available for distribution to our customers?

W. B. Papageorge

/bt

DSW 173690

STLCOPCB4048211

W. B. Papageorge - General Offices, B1ND

August 17, 1973

C. Paton - B2SC
D. E. Rouch - B2SC
E. S. Tucker - T2F

RESIDUAL PCBs -- CONVERTED
HEAT TRANSFER SYSTEMS

Dr. R. E. Keller
T1B

We are receiving, at an increasing rate, requests from customers who have converted their heat transfer systems for analytical procedures which they can use to determine the quantity of PCBs present in the system after drainage and refilling.

Do we have a methodology which can detect PCBs in fluids such as Therminol 55 and Therminol 66 at low levels?

W. B. Papageorge

/bt

DSW 173691

STLCOPCB4048212

W. B. Papageorge - General Offices, B1ND

August 17, 1973

T. L. Gossage - B2SL
J. F. Stapleton - B2SA

TIVIAN LABORATORIES, INC.

Dr. C. Paton
B2SC

Your draft dated August 7 of a proposed reply to Tivian Laboratories appears to be appropriate and I recommend it be forwarded.

W. B. Papageorge

/bt

DSW 173692

August 16, 1973

Mrs. T. C. Hartley
Purchasing Agent
Celite Division
Johns-Manville Products Corporation
2500 Miguelito Road
Lompoc, California 93436

Dear Mrs. Hartley:

In response to your letter of August 9 addressed to Monsanto's Los Angeles office requesting information relating to the hazardous and toxic nature of Monsanto's Dequest 2000, I am pleased to send you our Material Safety Data Sheet covering this product. This is the form that is generally accepted by the industry and I hope it will fulfill your needs.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173693

356

August 16, 1973

Mr. Gary Mannering
Occupational-Radiological
Health Section
Oklahoma City County
Health Department
921 NE 23
Oklahoma City, Oklahoma 73105

Dear Mr. Mannering:

You request for toxicological and safe handling data relating to askarels was received by Mr. W. N. Maddox and forwarded to me for response.

I have attached copies of descriptive information which I hope you will find responsive to your needs.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

cc: W. N. Maddox

DSW 173694

E, T, BB,
OC HA-80 = Article 1016
Section [illegible]

4555

STLCOPCB4048215

August 16, 1973

Dr. G. Fred Lee
919 Park Lane
Bryan, Texas 77601

Dear Fred:

I reviewed the availability of chlorocynurics with our Product Manager and he suggested I send you the attached magazine in which you will find various pool treatment chemicals described by tradename. All of these products contain chlorinated cynurics. You may find these products available at local swimming pool supplies dealers.

I am also informed that, as a Monsanto employe, I can purchase Monsanto's ACL®-60 at the reduced price of $56.25 for 45 pounds. If you feel this is appropriate I would be glad to order the material in my name for delivery to your home.

Regards.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure – Poolside Living - Spring 1972

DSW 173695

STLCOPCB4048216

W. B. Papageorge - General Offices, B1ND

August 16, 1973

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

PHENOL QUALITY

Memo, CDW dated 7/27/73

Mr. C. D. West
E3NG

The Special Chemical Systems group and the Specialty Products group of MICC do not require samples or T/T quantities of the proposed new phenol.

W. B. Papageorge

/bt

DSW 173696

5 53

STLCOPCB4048217

August 16, 1973

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

Dear Lynn:

I have received the copy of the bulletin on QuaCorr. I personally found it interesting, particularly in the lack of any information relating to its toxicological properties and proper methods for handling and use. Perhaps the Quaker Oats Company does not consider it to be a material that poses any particular problems.

You are correct in your assumption that the 0.1 ppm level for whole milk will be the tolerated level as of December 4, 1973.

Regards.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173697

552

STLCOPCB4048218

August 16, 1973

Mr. Jerry L. Bird
Safety & Welfare Director
Corbin Plant
American Greetings Corporation
RFD #3, Old Whitley Road
Corbin, Kentucky 40701

Dear Mr. Bird:

Your letter dated July 31, 1973 requesting information on Santocel was forwarded to me for response. The Material Safety Data Sheet you requested is attached.

The breathing masks we use when working with this material are purchased from Mine Safety Appliances Company, Pittsburgh, Pennsylvania 15208. For normal situations we use the No. 66 Dustfoe, which has U.S. Bureau of Mines approval No. 21-B113. We also use the Comfoe MSA catalog No. CR85557.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Attachment

bcc: C. H. Matze - B?SJ

DSW 173698

537

STLCOPCB4048219

W. B. Papageorge - General Offices, B1ND

August 16, 1973

MURIATIC ACID

H. S. Bergen - B2SL
W. R. Corey - B2SL
A. R. Hempel - B3NJ
J. Mason - 5040
D. B. Shearn - 5460

Mr. R. A. Onians
Brussels - 5040

During recent discussionswith Newport plant management I was informed that the muriatic acid produced as a by-product of the Aroclor process is sold to the steel industry.

What procedures are followed to assure that this acid, which contains detectable amounts of polychlorinated biphenyls (PCBs), is sold only to this application and is not used otherwise; especially in food or food-related operations?

W. B. Papageorge

/bt

DSW 173699

348

W. B. Papageorge - General Offices, BlND

August 16, 1973 J. S. Metcalf - BlND

GRAS AND PRIOR-SANCTIONED
FOOD ADDITIVES
GJL Memo dated 8/14/73

Dr. G. J. Levinskas
A2SC

I have reviewed the copy of the Food Additive Regulations (Subpart E, § 121.2001, Prior Sanctions) and find that the only Functional Product Groups product listed is sodium pentachlorophenate. I do not have in my records any copies of confirmatory Prior Sanction letters.

W. B. Papageorge

/bt

DSW 173700

54

W. B. Papageorge - General Offices, BlND

August 16, 1973

Messrs.

J. DiTommaso - 1410
L. J. Gilbert - 1410

Attached is a copy of the most recent version of procedures for establishing product specifications.

I would appreciate your comments.

W. B. Papageorge

/bt

Attachment

DSW 173701

5 2/ C

STLCOPCB4048222

W. B. Papageorge - General Offices, B1ND

August 15, 1973

CARCINOGENS

Messrs.

R. S. Baker - A2SB
H. S. Bergen - B2SL
P. O. DeGarmo - B3NJ
J. S. Metcalf - B1ND
W. R. Richard - T3A
W. F. Symes - N1A
J. C. Weber - B3SC
E. P. Wheeler - A2SA

Attached is information which I received from the Pall Corporation that I thought you might find useful.

W. B. Papageorge

/bt

Attachment

DSW 173702

4/2/5

STLCOPCB4048223

W. B. Papageorge - General Offices, B1ND

August 15, 1973

DEQUEST ECOLOGY

C. S. Alack - B2SB
G. J. Levinskas - A2SC
R. D. Hogue - N1A
D. L. Sliney - B2SB
W. F. Symes - N1A
E. S. Tucker - T2F

Mr. E. K. Brakebill
B2SJ

George Levinskas and I have reviewed the status of the ecology information available on Dequest and have in general concluded that Dequest 2018, representing the Dequest 201X series, has been well studied; principally by Procter & Gamble. We are aware that we have no tissue accumulation data and no 90-day rat feeding study, but human data and comparative metabolic data are available.

To further increase our understanding of the Dequests, we propose the following:

1. Complete as planned the residue analysis of the tissue from the 90-day Dequest 2001 feeding study. This is estimated to cost approximately $2,500 and involves an elapsed time of about six weeks.

2. A C^{14} metabolism study should be conducted with Dequest 2000. This will assist us in comparing it with Dequest 2018. Cost is estimated at $5,000; elapsed time required approximately six weeks.

3. Since the applications of Dequest 2000 and Dequest 2010 result in ready entry into water systems, their effect on fish should be evaluated. Accumulation in fish tissue for two of these Dequests should be conducted. Estimated cost is $6,000 per product; elapsed time approximately eight weeks.

4. To provide further comparison the C^{14} metabolism studies should also be made with representatives of the Dequest 204X and Dequest 205X series. The results of these studies will enable comparison to Dequest 2000 and Dequest 2018. Cost per product is approximately $5,000; elapsed time approximately six weeks.

5. Since Dequest 2000 represents potentially the greatest threat to potable water supplies, we should arrange for reproduction studies using laboratory rats. Estimated cost is $18,000; elapsed time approximately 18 months.

DSW 173703

5214

STLCOPCB4048224

This recommended program appears to be the minimum that we should attempt. It is quite possible that further information may be required in the future; for example, effects of heavy metal chelating, and we should leave options to further studies open at this time.

W. B. Papageorge

/bt

DSW 173704

STLCOPCB4048225

August 15, 1973

Mr. Sidney Krakauer
Group Vice President
Pall Corporation
Glen Cove, Long Island
New York 11542

Dear Mr. Krakauer:

In response to your letter of August 7 it is our best scientific opinion, based on our current knowledge of our raw materials and our processes, that the Therminol 66 which you have purchased from Monsanto does not contain any of the 14 chemicals listed by the Occupational Safety and Health Administration on page 10929 of the Federal Register, Volume 38, No. 85, dated May 3, 1973.

We share with you your concern over the impact on industry of these newly promulgated emergency OSHA standards. You may wish to make your own independent assessment of the Therminol 66 you have purchased from Monsanto.

In response to your further request relating to any other products you may have purchased from Monsanto, to the best of my knowledge the above remarks also apply.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173705

STLCOPCB4048226

August 14, 1973

Mr. J. F. Cormack
Water & Solid Waste Programs
Environmental Services
Crown Zellerbach
Camas, Washington 98607

Dear Mr. Cormack:

To assist you in your survey of your plants for sources of polychlorinated biphenyls, I have attached a list of the current and former uses of Monsanto's PCBs.

As you can see, the applications were varied and rather widespread. Examples of types of machinery which may have contained hydraulic fluids with PCBs include hydraulically operated conveying systems, metal working machinery, air compressors, centrifuges. Heat exchangers using PCB fluids were used as general sources of heat for miscellaneous plant operations, for industrial and commercial space heating and for sterilization and pasturization. An example of a use of PCBs as a plasticizer is the use in chlorinated rubbers for industrial gasketing material.

Any further attempt to itemize the past uses of PCBs is difficult because no accurate listing was ever available. It seems to me, however, that for your purposes it would be helpful to know that Monsanto terminated the sale of PCBs to plasticizer applications on August 30, 1970 and reformulated its line of hydraulic fluids to remove PCBs in early 1971.

DSW 173706

5 4/ 2

STLCOPCB4048227

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Mr. A. W. Hempelmann
Seattle

DSW 173707

AROCLOR (PCB TYPE) APPLICATIONS

CURRENT USES

Electrical Capacitors: Aroclor 1016*, the major product used; Aroclor 1221; Aroclor 1254, very limited usage.

Electrical Transformers: Aroclor 1242; Aroclor 1254.

* Similar to Aroclor 1242 with 5 chlorine and higher isomer content reduced.

FORMER USES

Electrical Capacitors: Aroclor 1242; Aroclor 1254.

Electrical Transformers: Aroclor 1242; Aroclor 1254; Aroclor 1260.

Heat Transfer Systems: Aroclor 1242; Aroclor 1248; Aroclor 1254.

Vacuum Pumps: Aroclor 1248; Aroclor 1254.

Gas Transmission Turbines: Aroclor 1232; Aroclor 1242.

Hydraulic Fluids: Aroclor 1232; Aroclor 1242; Aroclor 1248; Aroclor 1254; Aroclor 1260.

Plasticizers in Synthetic Resins: Aroclor 1248; Aroclor 1254; Aroclor 1260; Aroclor 1262; Aroclor 1268.

In Adhesives: Aroclor 1221; Aroclor 1232; Aroclor 1242; Aroclor 1248; Aroclor 1254.

In Surface Coatings: Aroclor 1221; Aroclor 1248; Aroclor 1254; Aroclor 1260; Aroclor 1262.

Plasticizer in Rubbers: Aroclor 1221; Aroclor 1232; Aroclor 1242; Aroclor 1248; Aroclor 1254; Aroclor 1260.

Wax Extenders: Aroclor 1242; Aroclor 1254: Aroclor 1268.

Dedusting Agents: Aroclor 1254; Aroclor 1260.

Pesticide Extenders: Aroclor 1254.

Lubricants, Cutting Oils: Aroclor 1254.

Carbonless Reproducing Paper: Aroclor 1242.

Inks: Aroclor 1254.

DSW 173708

STLCOPCB4048229

August 14, 1973

Dr. William C. Kuryla
113 Chiles Street
St. Albans, West Virginia 25177

Dear Dr. Kuryla:

I note in your recent publication entitled "Flame Retardancy of Polymeric Materials", Marcel Dekker, Inc., publisher, that polychlorinated biphenyls and polychlorinated terphenyls are included as recommended and available flame retardants.

Because of environmental considerations, Monsanto no longer produces the polychlorinated terphenyls and has restricted the sale of polychlorinated biphenyls to dielectric uses only.

The member nations of the Organization for Economic Cooperation and Development (OECD) have agreed to prohibit the use of polychlorinated biphenyls as flame retardants.

I recommend that future editions of this publication be revised to indicate the unavailability of these materials worldwide for this application.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173709

54

STLCOPCB4048230

August 14, 1973

Ms. Martha C. Wells
Department of Microbiology
The University of Texas
Austin, Texas 78712

Dear Ms. Wells:

I regret I do not have samples of the pure isomers of dichlorobiphenyl and tetrachlorobiphenyl to share with you since Monsanto has never manufactured these materials in their pure forms. Perhaps sample quantities of these isomers can be obtained from Analabs, Inc., 80 Republic Drive, North Haven, Connecticut.

I do have samples of the commercial material with lower chlorine content than Aroclor 1254. If you will complete the enclosed sample request form and return it to me I will arrange to have samples of Aroclor 1221, Aroclor 1016 and Aroclor 1242 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 173710

STLCOPCB4048231

W. B.Papageorge - General Offices, BIND

August 14, 1973

SAMPLES -- EC-201

R. D. Hogue - N1A
M. L. Losee - C2C
G. D. Nelson - N1A
H. Teicher - N1A
S. Vazopolos - N1A

Dr. W. F. Symes
N1A

I note from reading your department's reports that samples of new materials are being submitted to customers for evaluation. Do we have the Medical Department's response to the EC-201's before samples are released?

W. B. Papageorge

/bt

DSW 173711

5 39

STLCOPCB4048232

August 14, 1973

Mr. Gregory Grochoski
Manager, Technical Services
Research and Development
Amway Corporation
7575 East Fulton Road
Ada, Michigan 49301

Dear Mr. Grochoski:

In response to your letter of August 6 requesting information relating to the hazardous and toxic nature of Monsanto's ACL-60 Granular, I am pleased to send you our Material Safety Data Sheet covering this product. This is the form that is generally accepted by the industry and I hope it will fulfill your needs.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

bcc: E. K. Brakebill
R. A.Herman

DSW 173712

5 3 1

August 14, 1973

Mr. J. B. Ezell
Branch Manager
McKesson Chemical Company
2500 Woodland Avenue
P. O. Box 106
Mobile, Alabama 36601

Dear Mr. Ezell:

Enclosed are three copies of our Material Safety Data Sheets covering Monsanto's Lampblack #2 and Santocel as requested in your letter of August 3.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

bcc: C. H. Matzek
R. D. McDaniel

DSW 173713

5-3

STLCOPCB4048234

August 10, 1973

Dr. David C. White
Department of Biological Science
The Florida State University
Tallahassee, Florida 32306

Dear Dr. White:

Your letters of August 2 addressed to Monsanto Research Corporation in Dayton and to Monsanto Chemical Company in St. Louis have both been forwarded to me for response.

In response to your request for samples of Aroclor 1242, Aroclor 1248 and Aroclor 1254, I have enclosed a sample request form. If you will return the completed form to me I can arrange to have samples of Aroclor 1242 and Aroclor 1254 forwarded to you. I cannot supply a sample of Aroclor 1248 as Monsanto has discontinued the manufacture of this material and our supply of samples has been depleted.

I have enclosed a copy of Monsanto Technical Bulletin O/PL-306A and a package of literature references. I hope you find these interesting and informative.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173714

Enclosures

53

STLCOPCB4048235

August 10, 1973

Dr. Barbara C. Levin
National Institute of Health
Room 3C25, Building 36
Bethesda, Maryland 20014

Dear Dr. Levin:

In response to your request for samples of Aroclor 1016, Aroclor 1242 and Aroclor 1254 I have enclosed a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will make arrangements to have these samples forwarded to you.

Kaneclor 400, of which you also requested a sample, is a PCB mixture that at one time was manufactured in Japan but is no longer available.

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

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173715

August 10, 1973

Dr. Eunice Moore
Electric Utilities Company
2427 St. Vincent Avenue
LaSalle, Illinois

Dear Dr. Moore:

Enclosed is the copy of the Monsanto Presentation to the Interdepartmental Task Force on PCBs that I promised to send. I hope you find this publication helpful.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: P. G. Benignus

W

DSW 173716

STLCOPCB4048237

August 10, 1973

Mr. Benjamin F. Willey, Director
Water Purification Laboratory
Bureau of Water
Central Water Filtration Plant
City of Chicago
1000 East Ohio Street
Chicago, Illinois 60611

Dear Mr. Willey:

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

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1221
A-1242
A-1254
} 1713

DSW 173717

533

August 10, 1973

Mr. Robert McNeill
PPG Industries
465 Crenshaw Boulevard
Torrance, California 90509

Dear Mr. McNeill:

Mr. E. M. Connors, of Monsanto's Los Angeles Sales Office, has informed me of your need for Material Safety Data Sheets covering our Phos Chek P/30 and Santocel C. Enclosed are copies of these data sheets.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

cc: Mr. E. M. Connors
Los Angeles

bcc: A. R. Handleman - B2SJ
C. H. Matzek - B2SJ
R. D. McDaniel - B2SJ

DSW 173718

532

STLCOPCB4048239

August 9, 1973

Mr. Philip A. Guarino, Manager
Corporate Analytical Services
McCormick & Company, Inc.
McCormick Building
Baltimore, Maryland 21202

Dear Mr. Guarino:

I have received your letter of July 31 requesting samples of polychlorinated biphenyls. Polychlorinated biphenyls are marketed under the tradename of Aroclor. The Aroclors still being produced are Aroclor 1221, Aroclor 1242 and Aroclor 1254. I can send samples of these commercial PCB mixtures if you will complete the enclosed sample request form and return it to me.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173719

bcc: C. S. Alack
C. H. Matzek

August 9, 1973

Mr. C. C. Malmsten
Manager, Purchasing Research
and Administration
United States Gypsum Company
101 South Wacker Drive
Chicago, Illinois 60606

Dear Mr. Malmsten:

Your letter of July 23 addressed to Monsanto's Mr. Roy Carlson has been forwarded to me for response relating to Santocel 62, Aroclor 1254, Aroclor 5460, Aroclor 6062 and EMA-81.

In response to your request for concentrations of trace elements present in these products, I have the following to offer for Santocel 62:

Arsenic	< 3 ppm
Lead	< 10 ppm
Heavy Metals (as Pb)	< 30 ppm
Phenols	None detectable

Information relating to trace elements in Aroclor 1254 and EMA-81 is not available at this time, however, we would not expect these elements to be present in any pollutionally significant amounts.

I have enclosed Material Safety Data Sheets covering Aroclor 1254, EMA-81 and Santocel 62, a Santocel Toxicity and Safe Handling statement and a product specification sheet for Santocel 62 and Aroclor 1254.

Because of environmental considerations, Monsanto discontinued the manufacture and sale of Aroclor 5460 and Aroclor 6062 several years ago. Therefore, the information requested for these two products should no longer be required.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173720

STLCOPCB4048241

August 8, 1973

Mr. T. W. D. Field
Corporate Plant Engineer
and Safety Director
Hexcel Aerospace
11711 Dublin Boulevard
Dublin, California 94566

Dear Mr. Field:

Your letter of July 20 requesting Material Safety Data Sheets for the products you purchase from Monsanto has been forwarded to me for response.

I have enclosed Material Safety Data Sheets covering Monsanto's Santocel 54 and Aroclor 1221. Monsanto has discontinued the manufacture and sale of Aroclor 1248, Aroclor 1260, Aroclor 5460 and Skydrol 500A, therefore, data sheets are no longer applicable or available for these discontinued products.

I have forwarded copies of your letter to the appropriate Product Managers within Monsanto responsible for the remaining products for which you requested Material Safety Data Sheets. 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

WBP/bt

Enclosures

DSW 173721

August 7, 1973

Mr. Mervin H. First
President
RF Interonics, Inc.
100 Pine Aire Drive
Bay Shore, L.I., N.Y. 11706

Dear Mr. First:

In response to your letter of July 30 it is our best scientific opinion, based on our current knowledge of our raw materials and our processes, that the Aroclor 1254 which you have purchased from Monsanto does not contain any of the 14 chemicals listed by the Occupational Safety and Health Administration on page 10929 of the Federal Register, Volume 38, No. 85, dated May 3, 1973 in concentrations of 1% or more.

We share with you your concern over the impact on industry of these newly promulgated emergency OSHA standards. You may wish to make your own independent assessment of Aroclor 1254.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173722

August 7, 1973

Mr. George J. Dippold
Assistant Secretary
Whittaker, Clark & Daniels, Inc.
1000 Coolidge Street
South Plainfield, New Jersey 07080

Dear Mr. Dippold:

In response to your letter of July 17 it is our best scientific opinion, based on our current knowledge of our raw materials and our processes, that the Lampblacks which you have purchased from Monsanto do not contain any of the 14 chemicals listed by the Occupational Safety and Health Administration on page 10929 of the Federal Register, Volume 38, No. 85, dated May 3, 1973.

We share with you your concern over the impact on industry of these newly promulgated emergency OSHA standards. You may wish to make your own independent assessment of the Lampblacks you have purchased from Monsanto.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

cc: Mr. R. C. Richardson
New York

bcc. R. D. McDaniel - B2SJ

DSW 173723

52

STLCOPCB4048244

August 7, 1973

Mr. Harold F. Sprague
Technical Director
Paperboard Division
Federal Paper Board Company, Inc.
Box 1004
New Haven, Connecticut 06504

Dear Mr. Sprague:

I have received your request for a two-pint 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

1242 S/N 1712

DSW 173724

STLCOPCB4048245

W. B. Papageorge - General Offices, BMD

August 7, 1973

WOOD TREATING SPECIFICATION

WBP's Memo dated 6/7/73

Messrs.

H. S. Bergen - B2SL
D. R. Dill - Q2C
B. G. Tibbetts - B2SE

Attached is the copy of Federal Specification TT-W-571 "Wood Preservation: Treating Practices" that I promised to send you.

W. B. Papageorge

/bt

Attachment

DSW 173725

525

STLCOPCB4048246

August 6, 1973

Mr. Les Stoeffler
Allied Paper Company
1608 Lake Street
Kalamazoo, Michigan 49007

Dear Mr. Stoeffler:

Monsanto's Jim Horner informs me that you have completed the sample request form I forwarded to you some time ago and have returned it to my office. Unfortunately, I have not as yet received this request. Therefore, I am enclosing another form for you to complete and return to me.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173726

STLCOPCB4048247

Barbara Tredway - General Offices, B1ND

August 6, 1973

W. R. Corey - B2SL
D. Danna - E1SA
J. S. Metcalf - B1ND

REGISTRATION OF CHEMICAL IMPORTS - JAPAN

Messrs.

R. S. Baker
H. S. Bergen

Attached is a copy of John Durland's teletype of August 3 informing us that tradenames will be required on the chemical registration forms.

Please advise Dominic Danna your decision as to whether any of the products on our list of exports to Japan should be deleted. Mr. Danna would like to have your decision today if possible.

Barbara Tredway
Secretary to
W. B. Papageorge

/bt

Attachment

DSW 173727

STLCOPCB4048248

bcc: H. S. Bergen
W. R. Corey
K. W. Easley
D. B. Hosmer
J. F. Stapleton
E. P. Wheeler

August 6, 1973

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 Pollution Prevention and Control
Proposed List of Toxic Pollutants
Federal Register, Volume 38, No. 129
Pages 18044 and 18045
Friday, July 6, 1973

Dear Dr. Thompson:

Monsanto Company, as a manufacturer of polychlorinated biphenyls (PCBs), appreciates the opportunity to comment on the proposed list of toxic pollutants.

Recently we submitted comments to Dr. Martha Sager, Chairman, Effluent Standards and Water Quality Information Advisory Committee, to assist the Committee in its evaluation of effluent standards for toxic pollutants.

We believe these comments to be timely and relevant to the proposal being considered by your Office and have enclosed copies for your use.

If you have any questions concerning our comments or any of the attachments, we will be please to supply further explanations or information upon request.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

DSW 173728

WBP/bt

Enclosures

5.

STLCOPCB4048249

DSW 173729

W. B. Papageorge - General Offices, B1ND

July 27, 1973

EFFLUENTS STANDARDS
TOXIC POLLUTANTS -- EPA

H. S. Bergen - B2SL
K. W. Easley - 1920
D. B. Hosmer - E1SF
J. F. Stapleton - B2SA
E. P. Wheeler - A2SA

Mr. W. R. Corey
B2SL

Attached is a copy of comments to be submitted to Dr. Hugh Thompson relating to the referenced Federal Register Notice.

Warren Easley has received the three copies requested but will not deliver to Dr. Thompson until he has received your approval.

Will you please discuss this with Warren early on August 6, which is the last day for submittal of comments.

W. B. Papageorge

/bt

Attachment

DSW 173730

STLCOPCB4048251

W. B. Papageorge - General Offices, B1ND

July 27, 1973

DEQUEST ECOLOGY

EKB to WBP, 7/24/73

C. S. Alack - B2SB
G. J. Levinskas - A2SC
R. D. Hogue - N1A
D. L. Sliney - B2SB
W. F. Symes - N1A

Mr. E. K. Brakebill
B2SJ

I regret I cannot get you the data you requested due to higher priority of other assignments. As soon as I return from Europe I will address myself to your needs. The best I can promise is August 20.

W. B. Papageorge

/bt

DSW 173731

5.20

STLCOPCB4048252

July 27, 1973

Dr. J. C. Roth
Laborataire de Mechanique de Fluids
BP 850
54000 Nancy
FRANCE

Dear Dr. Roth:

I can appreciate any confusion you may experience with our booklet entitled "The Aroclor Compound". The lack of the information which you are seeking is primarily due to the complex nature of the Aroclor compounds.

The Aroclor compounds are mixtures of the isomers that occur when biphenyl and terphenyl are chlorinated. The material resulting from chlorination can consist of as many as 50-100 different chemical entities.

Specifically, Aroclor 4465 was a blend of chlorinated biphenyls and chlorinated terphenyls. Because of environmental considerations, several years ago Monsanto terminated the manufacture of this material.

I regret I do not have specific information as you requested, however, I have attached copies of an old Monsanto bulletin (Technical Bulletin O/PL-306a) and an article which appeared in the 1965 edition of the ENCYCLOPEDIA OF CHEMICAL TECHNOLOGY. I hope these publications are if some value to you.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

DSW 173732

WBP/bt

Enclosures

E, T.

519

STLCOPCB4048253

July 27, 1973

Mr. John P. Lesica
Purchasing Agent - Chemicals
Calgon Corporation
Calgon Center
Box 1346
Pittsburgh, Pennsylvania 15230

Dear Mr. Lesica:

Your letter of July 11 addressed to Monsanto's Mr. Fred Klemencic requesting Material Safety Data Sheets for Dequest TKC-2 (your Code HH-13) has been forwarded to me for response.

I have enclosed a Material Safety Data Sheet covering Monsanto's Dequest 2052 (formerly Dequest TKC-2).

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Mr. F. B. Klemencic

bcc: C. S. Alack

DSW 173733

518

STLCOPCB4048254

W. B. Papageorge - General Offices, B1ND

July 27, 1973 T. L. Gossage

PCB - M. ARGUESO & CO., INC.

Dr. C. Paton
B2SC

In responding to Mr. Argueso's questions, I have the following comments to offer:

1. The importation and use of PCBs in waxes is not at the present illegal. Passage of the Toxic Substances Bill is imminent and, in my opinion, PCBs will be among the first substances to be regulated. I predict that the Office of Toxic Substances, EPA, will rule that the importation of PCBs should be prohibited and the use of PCBs in waxes is not acceptable. With this predictable future for PCBs in waxes, I strongly suggest that Mr. Argueso find alternative materials.

2. As to guidelines to follow concerning the use of PCB-containing waxes, our only response can be that, in our opinion, PCBs do not belong in waxes.

3. If Mr. Argueso is sincere in his statement at the top of page 3, we can only reaffirm that, in our opinion, the use of PCBs in this application could be considered morally unsafe and does pose a threat to the environment.

W. B. Papageorge

/bt

DSW 173734

17

W. B. Papageorge - General Offices, B1ND

July 27, 1973 T. M. King - B2SG

DEQUEST - MONSANTO
PRODUCT SPECIFICATIONS
TI to EMK, 7/18/73

Mr. T. Ishijima
5270 - Japan

In response to your memo of July 18 requesting product specifications on Dequest 2006, Dequest 2010 and Dequest 2015 DN I have enclosed copies of these specifications.

W. B. Papageorge

/bt

Attachments

DSW 173735

5/6

STLCOPCB4048256

July 27, 1973

Mr. Dwight Harder, Chemist
Pesticide Residue Laboratory
Iowa Department of Agriculture
Des Moines, Iowa 50319

Dear Mr. Harder:

I have received your letter of July 19 requesting samples of Monsanto's Aroclors. I have enclosed a sample request form. If you will return the completed form to me I can have samples of Aroclor 1221, Aroclor 1242 and Aroclor 1254 forwarded to you.

I regret I cannot supply samples of Aroclor 1248, Aroclor 1260, Aroclor 1262, Aroclor 4465, Aroclor 5442 or Aroclor 5460 as Monsanto has discontinued the manufacture of these products because of environmental considerations 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 further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173736

STLCOPCB4048257

July 27, 1973

Ms. Jean Osmundson
Northwest Rubber Company
Albert Lea, Minnesota 56007

Dear Ms. Osmundson:

I have received your Purchase Order No. 2897 dated July 12 requesting one 60 lb. drum of Aroclor 1248 and regret to inform you that, due to environmental considerations, Monsanto has discontinued the manufacture and sale of this product. I hope the lack of this material does not seriously inconvenience you.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173737

574

STLCOPCB4048258

W. B. Papageorge - General Offices, BlND

July 27, 1973

MICC PROCEDURES FOR
HANDLING SPECIFICATIONS

Messrs.

D. C. Dieterich - 1150
J. DiTommaso - 1410
E. H. Kimball - 1410

The attached copy of the procedures for handling specifications in MICC is being forwarded to you for your information and your comments.

W. B. Papageorge

/bt

Attachment

DSW 173738

513

STLCOPCB4048259

July 27, 1973

Mr. Forrest D. Simmerman
Technical Director
Research and Development Division
Texas Refinery Corporation
830-850 North Main Street
Fort Worth, Texas 76101

Dear Mr. Simmerman:

I have received your letter of July 17 requesting a copy of Monsanto's methodology for the determination of polychlorinated biphenyls. Enclosed is a copy of this publication which I hope you find interesting and informative.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173739

5/2

STLCOPCB4048260

W. B. Papageorge - General Offices, B1ND

July 26, 1973

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

SANTOCEL DCS
TORAY SILICONE

Mr. T. Ishijima
5270 - Japan

In response to your memo of July 18 requesting information on Santocel DCS, I have the following information to offer:

Lead	< 10 ppm
Arsenic	< 3 ppm
Heavy Metals (as Pb)	< 30 ppm
Phosphorus	None detectable
Phenols	None detectable
Polychlorinated Biphenyls	None detectable

I have enclosed copies of the arsenic, heavy metals, lead, free phenols and phosphorus test methods from FOOD CHEMICALS CODEX and a copy of Monsanto's method for the determination of polychlorinated biphenyls.

W. B. Papageorge

/bt

Enclosures

DSW 173740

F 11

STLCOPCB4048261

July 26, 1973

Mr. Orthello Sullivan
3041 South Michigan Avenue
Apartment 305
Chicago, Illinois 60616

Dear Mr. Sullivan:

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

The Aroclors still being produced are Aroclor 1221, Aroclor 1242 and Aroclor 1254. I can send samples of these commercial PCB mixtures if you will complete the enclosed sample request form and return it to me.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

FDA PCB Regulation (Fed. Reg; 7-6-73)

A, X, CC, AA, 2, W, T, M

DSW 173741

518

STLCOPCB4048262

W. B. Papageorge - General Offices, B1ND

July 26, 1973

FMC - DEQUEST® 2000
SPECIFICATION

Mr. C. S. Alack
B2SB

E. K. Brakebill - B2SJ
E. M. Connors - 1550
J. DiTommaso - 1410
R. D. Hogue - N1A
E. L. Moore - B2SJ
J. F. Murphy - 1410
S. Vazopolos - N1A

Joe DiTommaso and Gary Hobbs have reviewed FMC's proposed Dequest® 2000 Iron and Chloride specifications. Gary has the following comment to offer:

> "Order lead time on this special Dequest 2000 product must be set at 14 days. Based on a 10M lbs/yr. volume we should not have too many problems except with chlorides. If volume is forecasted to increase in excess of 50M lbs/yr. this product would cause serious capacity delays in 1974. After mid-1975 there should be no problems in capacity."

May I have your comments.

W. B. Papageorge

/bt

DSW 173742

<709

STLCOPCB4048263

W. B. Papageorge - General Offices, B1ND

July 26, 1973

SANTOCEL 62 - DOW
CORNING SPECIFICATIONS
WBP Memo dated 7/11/73
WBP Memo dated 7/12/73
WBP Memo dated 7/19/73

J. DiTommaso - 1410
C. H. Matzek - B2SJ
W. L. Merman - 1410
E. L. Moore - B2SJ
W. F. Symes - N1A
H. Teicher - N1A
A. A. Thompson - 1410

Mr. R. D. McDaniel
B2SJ

The proposed Finished Product Specification for Santocel 62 sold to Dow Corning which was attached to my memo dated July 12 has been approved by Joe DiTommaso, Emory Kimball, Harry Teicher and you.

Will you have someone approach Dow Corning seeking their acceptance.

W. B. Papageorge

/bt

DSW 173743

508

STLCOPCB4048264

W. B. Papageorge - General Offices, B1ND

July 26, 1973

D. R. Dill - Q2C
T. L. Gossage - B2SL
W. R. Richard - T3A

PENTA -
RVR CONSULTANTS

Mr. B. G. Tibbetts
B2SE

Attached is a copy of a letter from Dr. Rosmarie von Rumker seeking information relating to pesticies, one of which is Pentachlorophenol.

Elmer Wheeler arranged for the completion of pages 2 and 4, copies of which are attached. Will you please respond to the remainder of the questionnaire directly to Dr. von Rumker.

W. B. Papageorge

/bt

Attachments

DSW 173744

STLCOPCB4048265

W. B. Papageorge - General Offices, BIND

July 25, 1973

COSTS -- PRODUCT
ACCEPTABILITY EVALUATION
WBP's memo 7/20/73

R. S. Baker - B2SB
H. S. Bergen - B2SL
S. R. Hinds - B2SB
A. J. Koenig - B2SK

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

Attached is additional information which will supplement the information you received earlier with the referenced memo.

W. B. Papageorge

/bt

Attachment

DSW 173745

505

STLCOPCB4048266

W. B. Papageorge - General Offices, B1ND

July 25, 1973

ASBESTOS --
SILICON DIOXIDE

J. DiTommaso - 1410
C. H. Katzek - B2SJ
R. D. McDaniel - B2SJ
P. L. Wright - A2SC

Mr. Harry Teicher
N1A

Attached is a memorandum from Dr. Durward F. Dodgen, Director, Food Chemicals Codex, to Paul Wright on the subject of asbestos in silicates.

Is there any reason to believe "asbestos-form particles" are present in our Santocels and Sytons? Have we ever analyzed for their presence? Do we have analytical procedures?

W. B. Papageorge

/bt

Attachment

DSW 173746

574

STLCOPCB4048267

W. B. Papageorge - General Offices, BlND

July 25, 1973

A. J. Koenig
E. P. Wheeler

INDUSTRIAL BIOTEST
LABORATORIES - INVOICING

Mr. P. L. Wright
A2SC

Will you please arrange with the appropriate individual at Industrial Biotest Laboratories for an audit and a status report relating to the invoicing of toxicity studies for the Specialty Products Group. We have referred to this group as MICC-FP-SP and used the charge number 47-000-735.44. These designations may be helpful in summarizing the total costs for the first half of this year.

W. B. Papageorge

/bt

DSW 173747

573

STLCOPCB4048268

July 23, 1973

Ms. Linda Wylie
Librarian
Department of the Air Force
Environmental Health Laboratory
Kelly Air Force Base, Texas 78241

Dear Ms. Wylie:

I have received your letter of July 16, 1973 requesting a copy of Monsanto's methodology for the determination of polychlorinated biphenyls and am enclosing a copy of this publication.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173748

503

July 23, 1973

Mr. David E. Bill
Chief Metallurgist
Chevrolet Motor Division
General Motors Corporation
P. O. Box 972
Buffalo, New York 14240

Dear Mr. Bill:

I have received your request for samples of Aroclor 1221, Aroclor 1242 and Aroclor 1254 and am forwarding a half-pint sample of each 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
} 1711

DSW 173749

STLCOPCB4048270

July 23, 1973

Mr. V. H. Oliphint
Purchasing Manager
Pantex Plant
Mason V. Hanger -
Silas Mason Co., Inc.
P. O. Box 647
Amarillo, Texas 79177

Dear Mr. Oliphint:

I am informed that your company purchases Santovac 5 from Monsanto. Based on our current knowledge of our raw materials and our processes, it is our best scientific opinion that the Santovac 5 we supply to your company does not contain any of the 14 chemicals listed by the Occupational Safety and Health Administration on page 10929 of the Federal Register, Volume 38, No. 85, dated May 3, 1973.

We share with you your concern over the impact on industry of these newly promulgated emergency OSHA standards. You may wish to make your own independent assessment of Santovac 5.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 173750

STLCOPCB4048271

W. B. Papageorge - General Offices, BIND

July 20, 1973

COSTS - PRODUCT
ACCEPTABILITY EVALUATION

R. S. Baker - B2SB
H. S. Bergen - B2SL
S. R. Hinds - B2SB
A. J. Koenig - B2SK

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

Attached are copies of memoranda from Bob Keller and Elmer Wheeler. You may find the information helpful in estimating the cost of product evaluation studies and budgeting and planning purposes.

W. B. Papageorge

/bt

Attachments

DSW 173751

499

STLCOPCB4048272

W. B. Papageorge - General Offices, BIND

July 20, 1973

R. E. Keller - T1B
E. S. Tucker - T2F
W. R. Richard - T3A

PCB - ANIMAL STUDIES

Mr. E. P. Wheeler
A2SA

Attached is a copy of a report which I received from Dr. Larry G. Hanson, an associate of Dr. R. L. Metcalf at the University of Illinois. You will note he will entertain our comments and suggestions.

He has requested that someone from Monsanto present a seminar or informal discussion to their Comparative Pharmacology and Toxicology group. Can someone from the Medical Department participate in such a discussion.

W. B. Papageorge

/bt

Attachment

DSW 173752

498

STLCOPCB4048273

W. B. Papageorge - General Offices, B1ND

July 20, 1973

W. R. Corey - B2SL
D. Danna - E1SA
J. S. Metcalf - B1NC

RULING ON CHEMICAL
IMPORTS -- JAPAN
T. Ishijima memo 7/12/73

Messrs.

R. S. Baker
H. S. Bergen

Recently you received T. Ishijima's memo relating to a new Japanese law concerning chemical substances and their regulation. Horace predicts the passage of this law and immediate promulgation by July 24.

To assure appropriate control and security all correspondence directed to our Japanese associates must be channeled through Dominic Danna's office. Copies of this information should also be sent to me. Will you please inform the appropriate individuals in your groups of this procedure and the necessity for compliance.

W. B. Papageorge

/bt

DSW 173753

497

STLCOPCB4048274

W. B.Papageorge - General Offices, B1ND

July 20, 1973

P. O. DeGarmo - B3NJ
J. S. Metcalf - B1NC

Mr. J. C. Weber
B3SC

I have reviewed the draft of the procedures for handling specifications in MICC. I have no changes or additions to offer.

W. B. Papageorge

/bt

DSW 173754

496

STLCOPCB4048275

July 20, 1973

Mr. Brad Fisher
Woodard Research Corporation
12310 Pinecrest Road
Herndon, Virginia 22070

Dear Mr. Fisher:

Enclosed is a copy of Monsanto's methodology for the determination of polychlorinated biphenyls as promised by Dr. E. S. Tucker. I hope you find it useful and informative.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Dr. E. S. Tucker

DSW 173755

495

STLCOPCB4048276

July 20, 1973

Mr. Delbert Rector, Supervisor
Engineering Services Section
Air Pollution Control Division
Department of Natural Resources
State of Michigan
3500 North Logan
Lansing, Michigan 48914

Dear Mr. Rector:

In response to your letter of July 9, 1973 enclosed is a copy of Monsanto's methodology for the determination of polychlorinated biphenyls, which I hope you find useful and informative.

I have also enclosed a sample request form. If you will return the completed form to me, I can make arrangements to have PCB samples forwarded to you.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

DSW 173756

494

STLCOPCB4048277

July 20, 1973

Mr. N. Ray Clark
Universal Manufacturing
902 Crescent Avenue
Bridgeport, Connecticut 06607

Dear Ray:

As you requested, enclosed are copies of the recent PCB regulation, a summary as published in Food Chemical News and the supplement to the Final Environmental Impact Statement relating to this rule making.

You will note that the use of PCBs in transformers and capacitors are specifically excluded from this regulation.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

cc: Mr. P. G. Benignus

CL
7-6-73 Fed. Reg.

DSW 173757

493

STLCOPCB4048278

W. B. Papageorge - General Offices, BlND

July 20, 1973

ACL-59 GRANULAR
COLGATE SPECIFICATIONS

S. Hedges - 1560
R. Maginity - 1560
G. D. Nelson - NlA
P. Stein - 1560

Mr. L. E. Frank
1560 - Luling

Attached is a Colgate-Palmolive specification for ACL-59 Granular. You will note that Cole Weber suggested a limit of 0.3% maximum on 20 mesh. There is no evidence in the file that Colgate accepted this change.

W. B. Papageorge

/bt

Attachment

DSW 173758

492

STLCOPCB4048279

W. B. Papageorge - General Offices, B1ND

July 20, 1973

EMA 1605
TOXICOLOGICAL INFORMATION

C. S. Alack - B2SB
G. J. Levinskas - A2SC
G. D. Nelson - N1A
W. F. Symes - N1A

Mr. E. K. Brakebill
B2SJ

Your recommendation that toxicity studies be conducted for EMA 1605 has merit. The decision to obtain this information must be made within the Business Group with guidance from the Medical Department. Normally, this activity within the Business Group is handled by a representative of the Research Department.

W. B. Papageorge

/bt

DSW 173759

STLCOPCB4048280

July 20, 1973

Mr. H. F. Sprague
Technical Director
Paperboard Division
Federal Paper Board Company, Inc.
Box 1004
New Haven, Connecticut 06504

Dear Mr. Sprague:

In response to your letter dated July 17 in which you requested a two-pint sample of Aroclor 1242, I have enclosed a sample request form. If you will return the completed form to me I will arrange to have the requested sample forwarded to you.

As you know, Aroclor 1242 contains polychlorinated biphenyls which have been identified as environmental pollutants, therefore, this material will not be available for applications of a general nature in your industry. I can forward you a sample for studies relating to persistence, degradation or analytical research.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 173760

490

STLCOPCB4048281

W. B. Papageorge - General Offices, B1ND

July 20, 1973

H. S. Bergen - B2SL
T. L. Gossage - B2SL
B. G. Tibbetts - B2SE

Mr. E. P. Wheeler
A2SA

Attached is a letter I received from the Department of Health, Chicopee, Massachusetts requesting information relating to Penta and human toxicity. Will you please handle.

W. B. Papageorge

/bt

Attachment

DSW 173761

STLCOPCB4048282

W. B. Papageorge - General Offices, BLND

July 19, 1973

ACL-85XG --
TESCO CHEMICALS, INC.

Mr. H. J. Horner
1740 - Krummrich

E. R. Billen - 1740
E. K. Brakebill - B2SJ
R. A. Herman - B2SJ
D. D. Mickelson - 1740
G. D. Nelson - N1A
W. F. Symes - N1A

Will you please arrange for the preparation and subsequent approval of a Finished Product Specification for ACL-85XG for Tesco Chemicals. I understand all of the current characteristics and limits remain unchanged except that Available Chlorine is increased from 88.0% minimum to 89.5% minimum.

W. B. Papageorge

/ot

DSW 173762

487

STLCOPCB4048283

W. B. Papageorge - General Offices, B1ND

July 19, 1973

SANTOCEL 62 -
DOW CORNING SPECIFICATION
WBP Memo dated 7/11/73
WBP Memo dated 7/12/73

Messrs.

J. DiTommaso - 1410
R. D. McDaniel - B2SJ
W. L. Merman - 1410
W. F. Symes - N1A

E. H. Kimball - 1410
C. H. Matzek - B2SJ
E. L. Moore - B2SJ
H. Teicher - N1A
A. A. Thompson - 1410

I have not received any comments relating to the proposed specification for Santocel 62 sold to Dow Corning.

We are still anxious to expedite the acceptance of this proposed specification. May I have your comments.

W. B. Papageorge

/bt

DSW 173763

STLCOPCB4048284

W. B. Papageorge - General Offices, B1ND

July 13, 1973

PENTACHLOROPHENOL

H. S. Bergen - B2SL
W. R. Corey - B2SL
D. R. Dill - G2C
K. W. Easley - 1920
T. L. Gossage - B2SL
W. R. Richard - T3A

Mr. B. C. Tibbetts
B2SE

Following our discussions with Mr. Henry Korp and Dr. Leonard Axelrod, EPA, Warren Easley reminded me that we owed them a statement regarding Monsanto's plans relating to the production and marketing of Pentachlorophenol with reduced dioxin content.

I would like your suggestions for a prompt appropriate response to Mr. Korp.

W. B. Papageorge

/bt

DSW 173764

STLCOPCB4048285

W. B. Papageorge - General Offices, B1ND

July 18, 1973

PHOS CHEK P/30 --
FIRESTONE

A. V. Handleman - B2SJ
M. L. Losee - Q2C
E. L. Moore - B2SJ
C. R. Williams - B2SG

Mr. D. C. Dieterich
1150 - Camden

As promised, I attempted to locate a copy of specifications proposed by Firestone for Phos Chek P/30. I have been informed that no formal specifications are available. However, in discussions with Firestone, it appears that the principal characteristics being considered are Insolubles at 93% minimum and pH at 5.5 minimum.

I understand that meeting these two criteria is extremely difficult and that some relaxation in either or both would be helpful.

I would appreciate your comments relating to your plant's capability in producing Phos Chek P/30 that approaches these requirements.

W. B. Papageorge

/bt

DSW 173765

484

STLCOPCB4048286

W. B. Papageorge - General Offices, B1ND

July 18, 1973

C. S. Alack - B2SB
E. K. Brakebill - B2SJ
G. D. Nelson - N1A

TOXICOLOGICAL INFORMATION --
EMA 1103 AND EMA 1605

Mr. J. Newton
5040 - Brussels

In response to your telex requesting toxicity information on EMA 1103 and the half butyl ester (EMA 1605) I have attached a summary sheet which describes acute toxicity for EMA 1103. No information is available on the half ester.

W. B. Papageorge

/bt

Attachment

DSW 173766

483

STLCOPCB4048287

W. B. Papageorge - General Officer, B1ND

July 18, 1973

TRACE METALS - ACL-60XG
LULING
Memo, EKB to WBP, 7/6/73

R. A. Herman - B2SJ
E. L. Moore - B2SJ
G. D. Nelson - N1A
R. G. Pier - B2SG

Mr. E. K. Brakebill
B2SJ

At present I anticipate no problems relating to the acceptability of our Luling ACL-60 containing less than 1 ppm of Hg, Sn, Ni, Cr.

W. B. Papageorge

/bt

DSW 173767

STLCOPCB4048288

W. B. Papageorge - General Offices, B1ND

July 18, 1973

EXTERNAL PRODUCT SPECIFICATIONS
CERTIFICATES OF ANALYSES

E. H. Kimball - 1410
C. H. Matzek - B2SJ
E. L. Moore - B2SJ
H. Teicher - N1A

Mr. J. DiTommaso
1410 - Everett

Enclosed are copies of product specifications for the Santocels, Silesters and Sytons. These specifications are sent to customers upon request.

Unless special agreements have been made, any certificates of analyses requested should include only those properties listed on these external specifications. By following this procedure we can avoid revealing to customers information which may lead to unintentional misunderstandings.

W. B. Papageorge

/bt

Enclosures

DSW 173768

STLCOPCB4048289

W. B. Papageorge - General Offices, B1ND

July 18, 1973

H. S. Bergen - B2SL
K. W. Easley - 1920
A. J. Koenig - B2SK
J. R. Savage - B2SL

POLYCHLORINATED TERPHENYLS
PRODUCTION 1959 THRU 1972

Mr. W. R. Corey
B2SL

For some time now I have been getting requests from representatives of governmental agencies for production information relating to our polychlorinated terphenyl products. The most recent request has been made by Dr. Charles F. Jelinek, FDA.

Attached is a production summary covering the period 1959 through 1972. May I have your approval to release this information to Dr. Jelinek.

W. B. Papageorge

/bt

Attachment

DSW 173769

4/8-0

STLCOPCB4048290

POLYCHLORINATED TERPHENYL PRODUCTION

(in thousands of pounds)

YEAR	AROCLOR 2500 SERIES	AROCLOR 4400 SERIES	AROCLOR 5400 SERIES	MONTAR 5 (Estimated)
1959	7	172	2818	497
1960	22	278	3549	626
1961	23	225	2074	366
1962	38	353	4077	720
1963	38	298	4584	809
1964	27	555	4706	831
1965	45	762	5663	1000
1966	41	698	7451	1315
1967	41	775	8633	1524
1968	22	550	8297	1464
1969	21	0	11580	2044
1970	0	0	17767	3136
1971	0	0	20211	3567
1972	0	0	8134	1436

DSW 173770