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DSW 172811

.TTINE

DSW 172812

W. B. Papageorge - General Offices, B2NA

June 29, 1973

ACLs -- SUPPLEMENTARY
TOXICITY STUDIES

E. K. Brakebill - B2SJ
G. J. Levinskas - A2SC
G. D. Nelson - N1A
W. F. Symes - N1A

Mr. R. A. Herman
B2SJ

Attached are work request forms used to initiate studies relating to the toxicity of our products.

Will either you or Doug Nelson prepare the appropriate forms to initiate duck, quail, etc. studies for the ACLs of current interest.

W. B. Papageorge

/bt

Attachment

DSW 172813

4.32

STLCOPCB4047437

June 29, 1973

Mr. Ben Dussan
Colight, Inc.
123 North Third Street
Minneapolis, Minnesota 55401

Dear Mr. Dussan:

Enclosed is a copy of Monsanto Technical Bulletin O/PL-306A and a copy of the article from the Encyclopedia of Chemical Technology that I promised to send you. 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.

DSW 172814

431

STLCOPCB4047438

June 29, 1973

Mr. Paul M. Sisolak, Sr.
Dyco Chemicals & Coatings, Inc.
150 North Commerce Drive
Largo, Florida 33540

Dear Mr. Sisolak:

I have received your letter of June 25 requesting a sample of Monsanto's Aroclor 5460 and regret to inform you that, due to environmental considerations, Monsanto has discontinued the manufacture of this product and our supply of samples has been depleted. I hope the lack of this material does not seriously inconvenience you.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 172815

430

STLCOPCB4047439

W. B. Papageorge - General Offices, B2NA

June 28, 1973

G. L. Bratsch - 1740
H. S. Bergen - B2SL
D. C. Otto - 1740
J. R. Savage - B2SL

PCBs -- EMPLOYE CLOTHING AND PROTECTIVE EQUIPMENT

Mr. A. E. Leisy
1740

What are the plant practices relating to the issue and cleaning of employes' work clothes, footwear, inclement weather garments and protective equipment such as gloves, breathing masks, welders shields, hard hats, etc. used by employes who are involved in the manufacture, packaging and shipping of PCBs and in the maintenance of equipment associated with PCBs? Where are contaminated non-reusable items discarded? How are residues resulting from laundering and refurbishing handled? Are services provided by outside firms? Are they aware of the PCB situation?

Will you have someone please review and summarize the total situation.

W. B. Papageorge

/bt

DSW 172816

429

STLCOPCB4047440

W. B. Papageorge - General Offices, B2NA

June 28, 1973

D. E. Roush - B2SC
W. R. Richard - T3A

THERMINOL 44 - MATERIAL
SAFETY DATA SHEET

Mr. Q. E. Thompson
T3E

Since the required EC-201 and EC-202 Environmental Compatibility Assessment forms have been completed and you have all the required information available to you, will you please initiate the preparation of a Material Safety Data Sheet for Therminol 44.

Upon completion please return this document to me for final issue.

W. B. Papageorge

/bt

DSW 172817

42Y

STLCOPCB4047441

W. B. Papageorge - General Offices, B2NA

June 28, 1973

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

SILESTER OS

Mr. F. MacDonald
5460 - Newport

We have been requested to complete the attached form from the State of Connecticut. Will you please have someone in your organization fill in the available information on the attached form and return it to me.

W. B. Papageorge

/bt

Attachment

DSW 172818

427

STLCOPCB4047442

W. B. Papageorge - General Offices, B2NA

June 27, 1973

EMA-91 SPECIFICATION
VERONA

C. S.Alack - B2SJ
E. K. Brakebill - B2SJ
E. L. Moore - B2SJ
R. C. Richardson - 1650

Mr. T. G. Iversen
1650 - New York

Attached are copies of Product Specifications for EMA-91 which Charles Alack suggested I send you. Will you please transmit a copy to the appropriate individual at Verona.

W. B. Papageorge

/bt

Attachment

DSW 172819

426

STLCOPCB4047443

W. B. Papageorge - General Offices, B2NA

June 27, 1973

P. Aldrich - Los Angeles
W. F. Symes - N1A

MATERIAL SAFETY DATA
SHEET - SILESTER OS

Mr. H. Teicher
N1A

We have received a request for a Material Safety Data Sheet (OSHA-20) covering our Silester OS. Since your department has all the information required to complete this form, may I impose upon you to initiate the preparation of this document.

W. B. Papageorge

/bt

DSW 172820

425

STLCOPCB4047444

June 26, 1973

Mr. R. R. DeGraf
Abbot, Cole & DeGraf
701 Sixteenth Street
San Francisco, California 94107

Dear Mr. DeGraf:

Please inform the appropriate individual in the Midland Division of The Dexter Corporation that based on our 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 the Santocel 54 and Lampblack #2, which they purchase from Monsanto, in concentrations of 1% or more, however, they may wish to make their 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

bcc: E. M. Connors - Los Angeles
C. H. Matzek - B2SJ
R. D. McDaniel - B2SJ

DSW 172821

424

STLCOPCB4047445

June 26, 1973

Dr. L. N. Reynolds
Ontario Research Foundation
Sheraton Park, Ontario
Canada

Dear Dr. Reynolds:

As you requested during our telephone conversation today, I am forwarding a sample of Aroclor 1016 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 1708

DSW 172822

STLCOPCB4047446

June 26, 1973

Dr. Walter Ezekiel
Bioteknika International Inc.
5510 Vine Street
Alexandria, Virginia 22310

Dear Dr. Ezekiel:

Enclosed is the sample request form I offered to send you today. As soon as I receive the completed form I will make arrangements to have a sample of 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 172823

STLCOPCB4047447

June 26, 1973

Mr. John M. Franz
The Hilton-Davis Chemical
Co. Division
Sterling Drug Inc.
2235 Langdon Farm Road
Cincinnati, Ohio 45237

Dear Mr. Franz:

I have received your Purchase Order No. 73-5976 for one quart of Aroclor 5460 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 172824

4 7 1

STLCOPCB4047448

W. B. Papageorge - General Offices, B2NA

June 25, 1973

LAMPBLACK -- GOODYEAR
TIRE & RUBBER COMPANY

F. Klemencic - 1650
R. D. McDaniel - B2SJ
E. L. Moore - B2SJ
H. Teicher - N1A

Mr. D. C. Dieterich
1150 - Camden

Attached are copies of Goodyear Tire & Rubber Company's Material Acceptance Specifications, Parts One, Two and Three. Will you please review it and let me know if the plant can consistently meet these requirements.

W. B. Papageorge

WBP/bt

Attachment

DSW 172825

4/20

STLCOPCB4047449

June 22, 1973

Mr. Duane Alewine
Intex Products, Inc.
P. O. Box 6648
Greenville, S. C. 29606

Dear Mr. Alewine:

Monsanto's J. M. Kuenz has informed me of your need for Material Safety Data Sheets covering Syton DS, Syton DS-40, Syton DS-50, Syton FS, Dequest 2000, Dequest 2006 and Dequest XK. Attached are Material Safety Data Sheets covering these products.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

cc: Mr. J. M. Kuenz
Chicago

DSW 172826

419

STLCOPCB4047450

W. B. Papageorge - General Offices, B2NA

June 22, 1973

DEQUEST ECOLOGY PROGRAM

Memo, EKB to WBP, 6/19/73

Mr. E. K. Brakebill
B2SJ

C. S. Alack - B2SJ
G. J. Levinskas - A2SC
R. G. Pier - B2SG
D. L. Sliney - B2SB
W. F. Symes - N1A
E. P. Wheeler - A2SA

I regret and apologize for the delay in responding to your need for guidance in the evaluation of Dequest.

I have requested from Dr. George Levinskas a summary of all the available toxicity information relating to Dequest and his recommendation regarding the additional studies required to meet our environmental impact needs in the future.

George has started assemblying this information and now assures me that he will have it completed and the report to me by Friday, June 29.

I hope the delay has not seriously affected your Dequest ecology program.

W. B. Papageorge

/bt

DSW 172827

STLCOPCB4047451

W. B. Papageorge - General Offices, B2NA

June 22, 1973

D. B. Hosmer - E1SF
J. S. Metcalf - B1NC

Dr. R. E. Keller
T1B

Attached are copies of correspondence I received recently from Dr. G. Fred Lee, Water Chemistry Laboratory, University of Wisconsin, which I believe you will find interesting. You will note that Fred has set aside Wednesday, September 26, for his visit to Monsanto and has expressed an interest in participating in your seminar.

From the description of his proposed lecture on page 2 of his June 4 letter, I suggest that we use one of the following two titles:

1. Significance of Chemicals in Natural Water Systems

2. Recent Changes in Water Quality Criteria

In addition to the normal participants in your regular seminars, I recommend that individuals from the product acceptability function, Des Hosmer and his group, and appropriate individuals from the St. Louis area plants be invited to attend.

Dr. Lee indicated his talk is about 45 minutes long and that he would be interested in a question and answer period of discussion as well as informal discussions in small groups during which he can become more familiar with Monsanto and our interest in waste effluent control.

As soon as your seminar committee has established the time required for the seminar, we can collectively prepare an agenda for the remainder of the day.

W. B. Papageorge

/bt

Attachments

DSW 172828

STLCOPCB4047452

bcc: C. H. Matzek - B2SJ

June 22, 1973

Mr. A. Colecchia
Chemical/Plastics Division
The General Tire & Rubber Company
Jeanette, Pennsylvania 15644

Dear Mr. Colecchia:

In response to Mr. Turanchick's letter of May 29, I have the following comments to offer on Monsanto's Santocel 62, your code P-620.

1. Heavy metal content is as follows:

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

2. A Material Safety Data Sheet is attached.

3. None of the chemicals listed on page 10929 of the Federal Register dated May 3 are used in the manufacture of Santocel 62.

The list of Monsanto products which was attached to Mr. Turanchick's letter has been forwarded to Dr. P. O. DeGarmo for response. He will be forwarding to you the appropriate information as soon as possible.

I hope the information relating to Santocel 62 is helpful 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. D. J. Turanchick
Dr. P. O. DeGarmo

DSW 172829

416

STLCOPCB4047453

June 22, 1973

Dr. Virlyn W. Burse
Bioeffects Branch
United States Environmental
Protection Agency
4770 Buford Highway
Chamblee, Georgia 30341

Dear Dr. Burse:

Enclosed is a comparison of the specifications for Aroclor 1016 and Aroclor 1242 which you requested in your letter dated June 18.

I have also enclosed a copy of the article in the ENCYCLOPEDIA OF CHEMICAL TECHNOLOGY in which you will find a description of the manufacturing processes which starts on page 292. Distillation of the crude product can be found on page 293. The pressures and temperatures required during distillation vary with the type of Aroclor being produced. Pressure is about 50 mm Hg. Temperatures range from 150°C to 300°C.

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

Aroclor 1016/1242 Comparison

Enclosures

E

DSW 172830

115

STLCOPCB4047454

June 22, 1973

Ms. Patricia L. Lynch
GSS Division, Engineering
Graphics Research & Development Center
Addressograph Multigraph Corporation
18340 Lanken Road
Cleveland, Ohio 44119

Dear Ms. Lynch:

I regret I cannot send you a standard color chart for Lampblack 10C as requested in your letter dated June 11 because these charts are not available.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

bcc: Mr. R. D. McDaniel
B3SJ

DSW 172831

4

STLCOPCB4047455

W. B. Papageorge - General Offices, B2NA

June 22, 1973

D. L. Mellon - 1010
B. G. Tibbetts - B2SE

PCB ANALYSIS --
ALLIED PAPER

Mr. W. H. Slowikowski
1010 - Akron

I do not recommend that Mr. Les Stoeffler, Allied Paper, use Aroclor 1221 as a standard because this type of Aroclor is very seldom typical of the PCBs found in samples. I suspect Aroclor 1242 would be appropriate, and if the analyst notices a predominance of chromatographic peaks which represent the higher chlorinated isomers, he should use Aroclor 1254.

On June 1, I sent to Mr. Stoeffler a sample request form and informed him that I would send him a sample of Aroclor 1242 as soon as I received the completed form. A copy of this letter was sent to your office. I have enclosed a copy of the sample request form in the event Mr. Stoeffler has misplaced his.

W. B. Papageorge

/bt

enclosure

DSW 172832

STLCOPCB4047456

June 21, 1973

Mr. John G. Krueger
R & D Department
Solvox Manufacturing Company
11725 W. Fairview Avenue
Milwaukee, Wisconsin 53226

Dear Mr. Krueger:

I have received your letter of June 6 requesting technical information and a sample of Aroclor 5460 and regret to inform you that, due to environmental considerations, Monsanto has discontinued the manufacture 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 172833

-11-

STLCOPCB4047457

June 20, 1973

Dr. James T. MacGregor
Pharmacology Laboratory
Agriculture Research Service
Western Regional Research Laboratory
U. S. Department of Agriculture
Albany, California 94710

Dear Dr. MacGregor:

I have received your request for samples of Aroclor 1254 and Aroclor 1260 and am forwarding a sample of Aroclor 1254 to you under separate cover. I regret I cannot supply a sample of Aroclor 1260 but Monsanto has discontinued the manufacture of this product and our supply of samples has been depleted.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1254 S/N 1707

DSW 172834

STLCOPCB4047458

Monsanto | OUTGOING MESSAGE BLANK Tele. Communications System | DATE 6/20/73 | TIME 10:15 | SENDER'S ACCOUNT NO. 47-000-735.40

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

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

F. MacDONALD
NEWPORT, WALES

WHAT IS CURRENT PROCEDURE FOR DISPOSAL OF PLANT SOLID WASTE CONTAINING PCB. HOW LONG HAS THIS PROCEDURE BEEN IN EFFECT.

W. B. PAPAGEORGE
ST. LOUIS, MO.

CC: W. R. COREY
D. B. HOSMER
J. F. STAPLETON

1/10

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

DSW 172835

STLCOPCB4047459

June 20, 1973

Mr. M. C. Dieter
Chevrolet Motor Division
General Motors Corporation
Buffalo Plant
P. O. Box 972
Buffalo, New York 14240

Dear Mr. Dieter:

I have received your Request for Quotation, Inq. No. MD-558-73, requesting prices on Monsanto's Aroclor 1221, Aroclor 1242 and Aroclor 1254. I am enclosing a sample request form. If you will return the completed form to me I will make arrangements to have one-pint samples of these products forwarded to you. There is no charge for these samples.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

/bt

Enclosure

DSW 172836

STLCOPCB4047460

W. B. Papageorge - General Offices, B2NA

June 20, 1973

G. J. Levinskas - A2SC
M. H. Ponder - 1650

EMA-91 -- FDA STATUS

Wire, MHP to CSA, 6/18/73

Mr. C. S. Alack
B2SJ

The only application for EMA acceptable to FDA can be found in paragraph 121.2520, Adhesives, in which the ammonium and potassium salts are specifically allowed.

W. B. Papageorge

/bt

DSW 172837

STLCOPCB4047461

W. B. Papageorge - General Offices, B2NA

June 20, 1973

PCBs -- JAPAN

P. G. Benignus - B2SC
K. W. Easley - 1920
T. L. Gossage - B2SL
R. H. Munch - T2B

Dr. C. Paton
B2SC

In response to your request that I obtain information on the procedure required for receiving permission from the Japanese government to ship products containing PCBs into Japan, I contacted Mr. Robert J. Barbour, Marubeni-America, New York City and asked if he had any information.

Mr. Barbour had no personal knowledge but offered to write to his principals in Japan to obtain information. He finally got an answer which he translated as follows:

> PCBs are permitted only on three electric railway systems, two of which are in operation and one now under construction. Future systems will not be permitted to use equipment containing PCBs. Studies are now under way to evaluate silicone-base fluids for replacement in existing units.

All other uses of PCBs are prohibited. The search for alternative materials is apparently proving very difficult.

Mr. Barbour did not have any information on the source of PCB fluid for the new railway system or for replacement in the existing railway systems.

W. B. Papageorge

/bt

DSW 172838

STLCOPCB4047462

June 15, 1973

Mr. D. D. McCollister
P. O. Box 1847
Midland, Michigan 48640

Dear Mr. McCollister:

During a recent discussion with Mr. Henry Korp, Deputy Administrator, Pesticide Programs, EPA, he informed me that you had indicated that your company would be very willing to share technical information relating to your newly registered pentachlorophenol, Dowicide EC-7.

Will you please let me know what type of information is included and the conditions under which it would be available to us.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

hcc: H. S. Bergen - B2SL
W. R. Corey - B2SL
K. W. Easley - 1920

DSW 172839

STLCOPCB4047463

June 15, 1973

Mr. J. Waryold
Technical Manager
Columbia Technical Corporation
Woodside, New York 11377

Dear Mr. Waryold:

As discussed during our telephone conversation on June 14, this is to confirm that, based on our current knowledge of our raw materials and our processes, it is our best scientific opinion that the polychlorinated biphenyl, Aroclor 1254, which at one time was supplied to you by Monsanto, does not contain any of the 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 Aroclor 1254.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 172840

STLCOPCB4047464

June 15, 1973

USAF Clinic (SGPM)
McClellan Air Force Base
California 95652

Attention: Lt.Col. Channel

Dear Sir:

As you requested during our telephone conversation today, enclosed are the following:

"Polychlorinated Biphenyls and the Environment" by the Interdepartmental Task Force on PCBs

Monsanto's Presentation to the Interdepartmental Task Force on PCBs in Washington, D.C.

Copy of the United States Environmental Protection Agency memorandum of April 24, 1972 re Policy on PCBs

Monsanto form letter on disposal instruction

Sample Monsanto disposal label

I have reviewed our list of approved askarel customers and find that only General Electric and Westinghouse offer transformer maintenance service. You may wish to contact their local representatives for further information.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 172841

Enclosures

STLCOPCB4047465

June 15, 1973

Mr. John Safranko, MAGCA
Building 368
McClellan Air Force Base,
California 95652

Dear Mr. Safranko:

As you requested during our telephone conversation today, enclosed are copies of the following:

"Polychlorinated Biphenyls and the Environment" by the Interdepartmental Task Force on PCBs

Monsanto's Presentation to the Interdepartmental Task Force on PCBs in Washington, D.C. on May 15, 1972

Xerox of the United States Environmental Protection Agency Memorandum of April 24, 1972 re Policy on PCBs

Monsanto form letter relating to disposal instructions

Monsanto disposal label

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

DSW 172842

STLCOPCB4047466

June 14, 1973

Mr. Peter Merkel
National Starch and Chemical Corp.
225 Belleville Avenue
Bloomfield, New Jersey 07003

Dear Mr. Merkel:

Mr. J. Terzaghi of Monsanto's New York office has informed me of your need for a technical data sheet and Material Safety Data Sheet covering Monsanto's Phos-Chek P/30.

I have enclosed a copy of Technical Bulletin I-270 and a Material Safety Data Sheet covering this product which I hope fulfills your needs.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

cc: J. Terzaghi - New York

bcc: A. R. Handleman - B2SJ

DSW 172843

STLCOPCB4047467

June 14, 1973

Mr. J. S. Lagahit, III
Analytical Services
Research & Product Development
Libby, McNeill & Libby
1800 West 119th Street
Chicago, Illinois 60643

Dear Mr. Lagahit:

I have received your request for samples of Aroclor 1254 and Aroclor 1260 and am forwarding a sample of 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 discontinued.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1254 & A 1704

DSW 172844

STLCOPCB4047468

June 14, 1973

Mr. Jerry Albin
Technical Supervisor
Quality Control Laboratory
Chemical Specialties Division
Pennwalt Corporation
824 State Street
Calumet City, Illinois 60409

Dear Mr. Albin:

Enclosed is a Material Safety Data Sheet covering Monsanto's Santocel 54 as you requested in your letter of May 31, 1973.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

bcc: J. M. Kuenz - 1180
D. Oosthuizen - G4NN
C. H. Matzek - B2SJ

DSW 172845

STLCOPCB4047469

June 13, 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-SI which you submitted to Mr. J. C. Weber on March 12. It appears that with slight modifications the properties listed in this specification could be satisfied by any one of several silica aerogels which Monsanto manufacturers.

I would like to propose a specific aerogel and I believe I can select the best type if I had some idea of how your company intends to use this material. Is this information available?

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 172846

299

STLCOPCB4047470

June 12, 1973

Mr. G. R. Graham
NWL Transfer Company
P. O. Box 455
Trenton, New Jersey 08603

Dear Mr. Graham:

Enclosed is a copy of the article "PCB's-prevalent and persistent" authored by Carl G. Gustafson that you requested from Monsanto's Dale Smith. 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

PCBs - Persistent + Prevalent

DSW 172847

E

STLCOPCB4047471

June 12, 1973

Mr. Mark Foxon
McKesson Chemical
241 Corporation Way
Medford, Massachusetts 02155

Dear Mr. Foxon:

Enclosed are the Product Specification sheets and Standard Analytical Methods covering Monsanto's Santocel C and Santocel Z as you requested. I hope these materials 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

cc: Mr. M. H. Ponder - New York
Mr. C. H. Matzek - St. Louis

Prod. Spec Santocel C 2/73
" " Santocel Z 4/73
Standard Analytical Methods -
521-01-02 1/73
521-01-03 4/73
521-01-04 1/73
521-01-05 4/73
521-01-11 1/73
521-01-12 1/73

DSW 172848

STLCOPCB4047472

June 12, 1973

Dr. W. B. Karp
Pediatric Biochemical Laboratory
Department of Pediatrics and
Cell and Molecular Biology
Medical College of Georgia
Augusta, Georgia 30902

Dear Dr. Karp:

I have received your request for samples of Aroclors and am forwarding to you under separate cover samples of Aroclor 1221, Aroclor 1242 and Aroclor 1254. I regret I cannot supply samples of Aroclor 1260 or Aroclor 1268 but Monsanto has discontinued the manufacture of these products and our supply of samples has been discontinued.

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
} s/x 1705

DSW 172849

STLCOPCB4047473

June 12, 1973

Director, Contract Administration
Services-District Los Angeles
11099 South Lacienega Boulevard
Los Angeles, California 90045

Attention: Mr. Harold E. Moody

Dear Mr. Moody:

Enclosed are the two copies of the NEMA OFFICIAL STANDARDS PROPOSAL I offered to send you yesterday. I hope you find this publication useful and informative.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

BB (2)

DSW 172850

STLCOPCB4047474

W. B. Papageorge - General Offices, B2NA

June 11, 1973

PENTACHLOROPHENOL - EPA

Memo, WBP to HSB, 6/5/73

Mr. H. S. Bergen
B2SL

W. R. Corey - B2SL
D. R. Dill - Q2C
K. W. Easley - 1920
J. T. Garrett - B2SC
T. L. Gossage - B2SL
A. J. Koenig - B2SK
W. R. Richard - T3A
B. G. Tibbetts - B2SE

Attached is a draft of a proposed response to Dr. Leonard Axelrod's questions. Dale Dill, Jack Garrett, Art Koenig and Bobby Tibbetts assisted in its preparation. I would appreciate your comments. We should respond to Dr. Axelrod's questions quickly--within the next day or so.

W. B. Papageorge

/bt

Attachment

DSW 172851

4

1. How many board feet of lumber are treated with Penta in the U.S. each year?

   The latest available figures relate to Penta treatment during 1971.

Product	Cubic Ft.	On Board Ft.	% of Total
Utility Poles	56,788,000		52%
Crossarms	7,602,000		86%
Fence Post	12,596,000		46%
Piling	1,399,500		4%
Lumber		215,392,100	25%

2. What is the expected increase in cost to produce "clean" Penta?

   The increase in cost to produce a clean Penta is estimated at about 4¢/lb., representing an increase of 25-30%. A significant item which is difficult to estimate at this time is the cost of handling and disposing of the concentrated dioxin residue. Ideally, disposal should be accomplished by high temperature incineration. Commercial units capable of achieving the proper incineration conditions for the disposal of solid wastes of this type are not now available.

3. What is the dioxin content of the current Penta and what is the projected dioxin content of the "clean" Penta?

   Monsanto analyses of samples of currently available Pentachlorophenol show the following chlorinated dibenzo dioxin content:

Tetrachlorodibenzo-p-dioxin	0.2 ppm
Hexachlorodibenzo-p-dioxin	25-65 ppm
Heptachlorodibenzo-p-dioxin	300-500 ppm
Octachlorodibenzo-p-dioxin	2500-5000 ppm

   The projected chlorinated dibenzo dioxin content of the modified Pentachlorophenol is as follows:

Tetrachlorodibenzo-p-dioxin	Non-detectable
Hexachlorodibenzo-p-dioxin	< 1 ppm
Heptachlorodibenzo-p-dioxin	< 1 ppm
Octachlorodibenzo-p-dioxin	1-2 ppm

STLCOPCB4047476

4. How much capital does Monsanto have invested in its Penta facilities:

Monsanto's gross investment in Pentachlorophenol facilities is approximately $5 million.

5. What can we say about the safety aspects of current Penta? How does it compare to the proposed new product?

There have been hundreds of millions of board feet of Penta-treated wood produced in the U.S. during the years that Monsanto has participated in this market. The manufacturer of the treatment chemicals, the wood treating industry itself, and the ultimate users have developed an amazing record when one considers the hazardous properties of treatment chemicals, of which Penta is one. Our records indicate that the problems we have faced in the manufacture of Penta and the reported problems of our customers have been largely through accidental exposure or accidental discharge. In all such cases the effects produced would have been the same whether the product used had been current commercial grade or proposed "purer" grades, since these problems were principally the result of the inherent toxicity of Penta itself.

From time to time there have been reported cases of chloracne in workers exposed to current commercial Penta. In the vast majority of these cases the problem occurred in a Penta producer's plant and the incident was traceable to a specific operational upset. It is possible that the proposed "purer" grades may not pose this problem. It is absolutely certain that very careful operation of current producing plants can eliminate this problem.

If the chloracnegenic potential of Penta is due to contaminants in the commercial grade products and is, as is claimed, removable through some mechanism of contaminant concentration, then this potential will be seriously magnified in the producing plants through handling of concentrated contaminant residues. It is doubtful, therefore, that the problem of chloracne can be eliminated completely from Penta producer's plants regardless of what grade of Penta they produce without careful operation.

STLCOPCB4047477

The wood treating industry and their customers, in our opinion, will not be seriously affected from a handling hazard standpoint with either grade of Penta so long as they handle the treatment chemicals with the care they have already exhibited. Or, conversely, poor handling techniques will lead to problems with the workers in a plant regardless of the grade of Penta used because of the inherent toxicity of Penta itself.

The efforts of current Penta producers and enlightened wood treaters have produced an admirable record in this industry. It is our opinion that, regardless of the grade of Penta used, any relaxation of this effort will lead to trouble. It is indeed unfortunate that the word "pure" or "purer" has been used in respect to differing grades of Penta since such words tend to lead to a relaxation in safe handling procedures. It is, of course, necessary to handle Penta with respect regardless of the grade used.

STLCOPCB4047478

WESTERN UNION TELEGRAM

OUTGOING MESSAGE BLANK

DATE 6/5/73 | TIME 4:15 | SENDER'S ACCOUNT NO. 47-000-735.40

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

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

R. F

J. R. DURLAND
TOKYO

WE HAVE HEARD RUMORS THAT JAPANESE GOVERNMENT HAS BANNED USE OF PENTACHLOROPHENOL. IS THIS TRUE?

W. B. PAPAGEORGE
ST. LOUIS

CC: H. S. BERGEN
W. R. COREY
K. W. EASLEY

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

DSW 172855

STLCOPCB4047479

June 8, 1973

Mr. Thomas B. Stewart
Aerospace Corporation
Building 120, Room 2431
P. O. Box 92957
Los Angeles, California 90009

Dear Mr. Stewart:

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
} s/c 1704

DSW 172856

STLCOPCB4047480

W. B. Papageorge - General Offices, B2NA

June 8, 1973 G. F. Fague - B2SC

Mr. H. R. Ford
1070 - Atlanta

Attached is an old letter from Grestco Dyes & Chemicals, Inc. requesting health and safety data.

I suggest you respond to this by mailing them a copy of the OSHA-20 form on biphenyl.

W. B. Papageorge

/bt

Attachment

DSW 172857

June 8, 1973

Mr. E. C. Page, Jr.
Polaroid Corporation
2 Osborne Street
Cambridge, Massachusetts 02139

Dear Mr. Page:

I have reviewed your Chemical Specification No. 17017 dated March 21, 1973 for EMA-31, your code J763, and have the following comments to offer:

1. The specifications for Appearance, Total Volatiles, Dichloroethane, Specific Viscosity and Total Maleic are acceptable. I foresee no difficulty in supplying material meeting these criteria.

2. In identifying the material by IR spectrum, you refer to a reference shown in SAM 7. Can you share with us any information you have regarding this reference.

3. I find the inclusion of a Moisture specification baffling. A review of the files on this subject indicates considerable discussion took place about a year ago, and last June both Monsanto and Polaroid representatives agreed that Moisture by CEC Solids Moisture Analyzer would be dropped and Total Volatiles would be added. It appears that the inclusion of Moisture will not provide any new information to help characterize the product since the information is available in an indirect way in Total Volatiles and Dichloroethane. Have you experienced any difficulty in your application which could be eliminated if this Moisture specification is included?

4. As you know, our laboratory is actively evaluating your proposed procedure for determining % Acid. The % Acid specification will be determined following an acceptance of the test procedure by both Monsanto and Polaroid.

DSW 172858

STLCOPCB4047482

5. Under Screen Analysis, you propose 0% on USSS 14. I am aware that this is identical to the specification sent to you by Mr. J. C. Weber on June 20, 1972. I suggest that this be changed to 0.1% maximum, which avoids any future discussions of what is meant by zero and is a low enough value which should not pose any problems.

Your comments would be appreciated.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

cc: M. H. Ponder

bcc: C. S. Alack - B2SG
E. K. Brakebill - B2SG
S. Hu - N1A
T. G. Iversen - 1650
J. J. McClellan - 1890
E. L. Moore - B2SG

DSW 172859

June 8, 1973

Mr. R. Winkelman
Manager of Raw Material
Quality Control Division
Mortell Company
Kankakee, Illinois 60901

Dear Mr. Winkelman:

I am enclosing a Material Safety Data Sheet and a copy of Technical Bulletin I-270 covering Monsanto's Phos-Chek® P/30, your code P-83. I hope these materials will satisfy your requirements as outlined in your request of April 19.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

bcc: A. R. Handleman
B2SG

DSW 172860

STLCOPCB4047484

June 7, 1973

Mr. Charles D. Gallagher
The Valspar Corporation
1101 Third Street South
Minneapolis, Minnesota 55415

Dear Mr. Gallagher:

Enclosed is a Material Safety Data Sheet covering Monsanto's Phos-Chek P/30 as requested in your letter of April 27.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

bcc: A. R. Handleman
B2SG

DSW 172861

STLCOPCB4047485

June 7, 1973

Dr. James MacGregor
Pharmacology Laboratory
Agriculture Research Service
Western Regional Research Laboratory
U. S. Department of Agriculture
Albany, California 94710

Dear Dr. MacGregor:

Enclosed is the sample request form I offered to send. Upon receipt of the completed form, I will make arrangements to have the samples you request forwarded to you.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 172862

STLCOPCB4047486

W. B. Papageorge - General Offices, B2NA

June 7, 1973

WOOD TREATING SPECIFICATIONS

Messrs.

H. S. Bergen - B2SL
D. R. Dill - Q2C
B. G. Tibbetts - B2SE

Attached are copies of two of the specifications mentioned by Bob Arsenault during our recent meeting. A copy of a third specification, TT-W-571, has not arrived. As soon as I receive it I will send you a copy.

W. B. Papageorge

/bt

Attachments

Fed. Spec
TT-W-570a
TT-W-572a

DSW 172863

4

STLCOPCB4047487

W. B. Papageorge - General Offices, B2NA

June 6, 1973

OSHA CARCINOGENS

P. O. DeCarmo - B3NJ
W. R. Richard - T3A
W. F. Symes - N1A
J. C. Weber - E1SF

Mr. J. S. Metcalf
B1NC

The following raw materials purchased by MICC have been reviewed and we have confirmed they are not carcinogens as defined by the OSHA regulations published in the Federal Register dated May 3, 1973.

Amine Gum	Hi Tec E-154, RT-53A
Colloid 26	SFS
DSS HF Grade 60%	SLS
Gen-Gel E-9	Solvent (Shellacol)
Hydrolube Concentrate	A-20 or A-40 Still B Drum
Hydrolube Thickener	UCAR Improver
N-Phenyl, 1 Naphthylamine	UCON DLV-62 E
Plexol 52	UNOX Epoxide 221
Porocel	UNOX 4221

W. B. Papageorge

/bt

DSW 172864

STLCOPCB4047488

W. B. Papageorge - General Offices, B2NA

June 6, 1973

TOXOCITY STUDIES -
WORK REQUEST FORM

Messrs.

R. S. Baker - B2SB
H. S. Bergen - B2SL
R. E. Beal - B2SL
W. R. Corey - B2SL
T. L. Gossage - B2SL
S. R. Hinds - B2SB
A. J. Koenig - B2SK
G. J. Levinskas - A2SC
J. W. Lyons - B2SB
W. R. Richard - T3A
D. L. Sliney - B2SB
W. F. Symes - N1A
E. P. Wheeler - A2SA

I reviewed all of the comments I received relative to a draft of a proposed work request form for toxicity studies. As you might have anticipated, the adoption of all the suggestions received would have resulted in a complex, multi-page form which would have required a lengthy procedure description to explain its use.

To achieve my objective of keeping the form simple and minimizing the "red tape" which might be involved, I have developed the forms which are attached.

The procedure which should be followed in using this form is as follows:

1. The originator discusses his needs with a representative of the Medical Department and obtains an estimated cost for the study contemplated. He then completes all items on the form above his signature and forwards it for approval.

2. The approved request is sent to my office where a record will be kept noting that the request has been submitted.

3. Upon receipt of the sample of material to be tested, the Medical Department representative will complete the lower portion of the form. Copies of the completed form will be sent to all individuals whose names appear on the form. The original request will be maintained in the Medical Department.

I do not anticipate the need for large quantities of blank forms requiring the involvement of Forms Control Department. Several copies are being forwarded to Dr. Richard's and Dr. Symes' offices. Additional copies will be available from my office.

DSW 172865

STLCOPCB4047489

I recommend that we start using this form immediately. If anyone experiences any unreasonable inconveniences, please let me know.

W. B. Papageorge

/bt

attachment

DSW 172866

STLCOPCB4047490

W. B. Papageorge - General Offices, B2NA

June 5, 1973

PENTACHLOROPHENOL - EPA

W. R. Corey - B2SL
D. R. Dill - C2C
K. W. Easley - 1920
T. L. Gossage - B2SL
W. R. Richard - T3A
B. G. Tibbetts - B2SE

Mr. H. S. Bergen

After several unsuccessful attempts to discuss by telephone with Mr. Henry Korp, Deputy Assistant Administrator for Pesticide Programs, EPA, the status of EPA's interest in "clean" Penta, Warren Easley dropped by Mr. Korp's office yesterday.

Mr. Korp apparently was not prepared to discuss Pentachlorophenol but directed Warren to Dr. Leonard Axelrod, Chief Scientist.

Dr. Axelrod was aware of the proposed changes in Penta and expressed a strong personal belief in applying cost-benefit-risk analysis before reaching any decisions. Warren suggested a briefing session to discuss Penta but Dr. Axelrod rejected the idea by stating that all he required was a short statement of a paragraph or two relating to the following questions:

1. How many board feet of lumber are treated with Penta in the U.S. each year?

2. What is the expected increase in cost to produce "clean" Penta? (Dr. Axelrod understood this information would be kept confidential.)

3. What is the dioxin content of the current Penta and what is the projected dioxin content of the "clean" Penta?

4. How much capital does Monsanto have invested in its Penta facilities?

5. What can we say about the safety aspects of current Penta? How does it compare to the proposed new product?

It appears to me that we should prepare a statement as requested by Dr. Axelrod, which is responsive to his questions with the possible exception that we may not wish to disclose our capital investment (question 4). This statement should be made available promptly.

May I have your comments.

W. B. Papageorge

/bt

DSW 172867

STLCOPCB4047491

W. B. Papageorge - General Offices, B2NA

June 5, 1973

EXCEPTION REPORTS

E. L. Moore - B2SJ
D. L. Sliney - B2SB
J. K. Stephens - B2MK

Mr. J. C. Larkin
B2SG

In response to Ed Connors' request for an up-to-date list of individuals to whom he could direct customer Exception Reports, I have attached a list (prepared by Ed Moore) of individuals in manufacturing who would be involved.

J. K. Stephens should receive copies directed to the Distribution Manager and I should receive copies directed to Product Quality.

I have not attempted to designate the specific marketing representatives since your salesmen are already familiar with appropriate product assignments.

W. B. Papageorge

/bt

Attachment

DSW 172868

STLCOPCB4047492

June 5, 1973

Mr. J. S. Lagahit, III
Analytical Services
Research & Product Development
Libby, McNeill & Libby
1800 West 119th Street
Chicago, Illinois 60643

Dear Mr. Lagahit:

Your letter of May 30 addressed to Monsanto's Mr. Robert A. Conkin requesting samples of Aroclor 1254 and Aroclor 1260 has been forwarded to me for response.

I am enclosing a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will make arrangements to have a sample of Aroclor 1254 forwarded to you. I regret I cannot supply a sample of Aroclor 1260 but, due to environmental considerations, Monsanto has discontinued the manufacture and sale of this product and our supply of samples has been depleted.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 172869

June 5, 1973

Mr. Thomas Altpeter
North Star Research and
Development Institute
3100 Thirty-Eighth Avenue
Minneapolis, Minnesota 55406

Dear Mr. Altpeter:

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

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 172870

June 4, 1973

Uniroyal Research Laboratory
120 Huron Street
Guelph, Canada

Gentlemen:

In response to your TLX No. 069-56546 of May 29, 1973 requesting samples of polychlorinated biphenyls, I am sending to you under separate cover samples of Aroclor 1242 and Aroclor 1254. There is no charge for these samples.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

1-1242
1-1254

S/N 1703

DSW 172871

STLCOPCB4047495

June 4, 1973

Mr. Felix Taglioretti
La Plata Company
645 Madison Avenue
New York, New York 10022

Dear Mr. Taglioretti:

Enclosed are the copies of literature pertaining to polychlorinated biphenyls I offered to send you last week. 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, O, T

DSW 172872

STLCOPCB4047496

June 4, 1973

Mr. Thomas B. Stewart
Aerospace Corporation
Building 120, Room 2431
P. O. Box 92957
Los Angeles, California 90009

Dear Mr. Stewart:

Enclosed is the sample request form I offered to send you last week. If you will return the completed form to me I will make arrangements to have the samples you request forwarded to you.

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

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

E, M, O, T, X, Z, A4.

DSW 172873

STLCOPCB4047497

June 4, 1973

Mr. James Adams
Manager, Utilities
and Plant Services
Carpenter Technology Corp.
101 West Bern Street
Reading, Pennsylvania 19603

Dear Mr. Adams:

Enclosed is the copy of the Interdepartmental Task Force on PCBs report "Polychlorinated Biphenyls and the Environment" that I offered to send you last week. 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

Ebclosure

X

DSW 172874

STLCOPCB4047498

June 4, 1973

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

Dear Mr. Reichel:

I have received your request for samples of Aroclor 5442, Aroclor 5460 and askarels containing chlorinated benzene. I regret I cannot supply samples of Aroclor 5442 or Aroclor 5460 but Monsanto has discontinued the manufacture of these products and our supply of samples has been depleted. In response to your request for a sample of an askarel containing chlorinated benzene, I am sending to you under separate cover a sample of Monsanto's Inerteen 54201 KA.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Inerteen 54201 KA 5/n1702

DSW 172875

375

STLCOPCB4047499

June 4, 1973

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

Re: RRL/Pet./73.

Dear Mr. Rao:

I have received your letter of May 18 requesting samples of polychlorinated biphenyls to be used in research studies relating to their use in transformers and capacitors. I am sending 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
A-1254 } 1701

DSW 172876

271

STLCOPCB4047500

W. B. Papageorge - General Officer, B2NA

June 4, 1973

DOW CORNING
SANTOCEL 62 SPECIFICATION

J. DiTommaso - 1410
E. H. Kimball - 1410
J. M. Kuenz - 1130
R. D. McDaniel - B2SJ
D. Oosthuizen - G4NN
H. Teicher - N1A

Mr. C. H. Matzek
B2SJ

Harry Teicher has reminded me that the test procedures attached to my memo of June 1 contained references to General Electric. Please delete these references from all copies of procedures shared with Dow Corning.

W. B. Papageorge

/bt

DSW 172877

370

STLCOPCB4047501

June 4, 1973

University of North Dakota
Purchasing Department
525 State Street
Grand Forks, North Dakota 58201

Gentlemen:

I have received your purchase order No. 42192 dated May 2 and regret to inform you that, because of environmental problems, the Aroclors you have ordered are no longer available to applications such as yours.

I understand that Walter G. McCrone, Associates, Chicago, Illinois supplies mounting materials and may be of some assistance to you.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 172878

369

STLCOPCB4047502

June 4, 1973

Dr. G. Fred Lee
1140 Sherman Avenue
Madison, Wisconsin 53703

Dear Fred:

The last week of September appears to be a good period for your visit with us. I would like to suggest Wednesday, September 26 as the preferred date with Thursday, September 27 as an alternative. I hope these days are convenient to you. If not, please let me know.

The participants in the seminar to which I referred are members of Monsanto Industrial Chemical Company's Research Department and represent several scientific disciplines. The main group will be joined by others within Monsanto who have a more direct interest in the environmental impacts of our products and processes.

I would appreciate receiving from you in advance the title of your proposed talk as well as a brief abstract which we could use to inform interested parties.

Regards.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

cc: Dr. R. E. Keller

DSW 172879

STLCOPCB4047503

bcc: J. DiTommaso - 1410
E. H. Kimball - 1410
C. H. Matzek - B2SJ
R. C. Richardson - 1650

June 1, 1973

Mr. John J. Flatley
Purchasing Manager
Passaic Division
Raybestos Manhattan
61 Willett Street
Passaic, New Jersey 07055

Dear Mr. Flatley:

I have reviewed your Specification No. RM D-336, your Code D-336, which pertains to Monsanto's Santocel CS. The Specification as proposed is acceptable. I have attached two copies as requested for your files.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Attachments

DSW 172880

367

STLCOPCB4047504

June 1, 1973

Mr. Les Stoeffler
Allied Paper Company
1608 Lake Street
Kalamazoo, Michigan 49007

Dear Mr. Stoeffler:

Bill Slowikowski informs me of your interest in analytical procedures for the determination of polychlorinated biphenyls in water. At Bill's request, I have enclosed a copy of Monsanto's analytical method and a Request for Sample Quantity of Product Containing PCBs. As soon as I receive the completed form I will arrange to have a sample of Aroclor 1242 forwarded to you.

I hope you find the analytical procedure useful. If I can be of further service, please let me know.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

cc: W. Slowikowski
Detroit, Mich.

DSW 172881

366

STLCOPCB4047505

W. B. Papageorge - General Offices, B2NA

June 1, 1973

A. R. Handleman - B2SJ
D. Oosthuizen - G4NN
E. P. Wheeler - A2SA

FIRE RETARDANT EVALUATION
DISPOSABLE DIAPERS
PROCTER & GAMBLE

Ms. Rita Conway
1210

In response to Procter & Gamble's request for samples of fire retardant phosphates to evaluate in a disposable diaper application, I suggest we send them samples of Phos-Chek P/30 and Monoammonium Phosphate Food Grade and Diammonium Phosphate Food Grade.

Our Medical Department does not have immediately available animal toxicity data for MAP or DAP, however, since these phosphates are used in food and animal feeds, it would appear that their toxicity characteristics must not be significant.

I have attached a copy of a toxicity statement for Phos-Chek P/30 prepared by Dr. Roush of our Medical Department. You may wish to forward this to Procter & Gamble.

Av Handleman expressed some concern relating to potential problems with solubility, pH and presence of ammonia. Since we know so little about Procter & Gamble's testing protocol and intended method of application to the diapers, we cannot at this time offer constructive comments.

W. B. Papageorge

/bt

Enclosure

DSW 172882

STLCOPCB4047506

W. B. Papageorge - General Offices, B2NA

June 1, 1973

DOW CORNING
SANTOCEL 62 SPECIFICATION

J. DiTommaso - 1410
E. H. Kimball - 1410
J. M. Kuenz - 1180
R. D. McDaniel - B2SJ
D. Oosthuizen - G4NN
H. Teicher - N1A

Mr. C. H. Matzek
B2SJ

Enclosed is a copy of a Finished Product Specification for Santocel 62 prepared by Joe DiTommaso which I suggest you offer to Dow Corning for their review.

You are familiar with the situation relating to the determination of the surface area. This proposal refers to the Sears method.

You will also note that the test methods which were originally designated as 532-01-XX have been changed to 521-01-XX. This change is made as part of a program to simplify our reference system and reflects only a number change. The analytical methods have not been altered.

Dow Corning Specification No. 1235770, Revision A, dated July 31, 1972 (copy attached) requested that a test procedure and test method number be provided for determining Viscosity. Apparently this was never done. You will note in this proposal we are referring to method No. 529-01-14.

To assist in discussions with Dow Corning I am also enclosing copies of all the test procedures.

W. B. Papageorge

/bt

Enclosures

DSW 172883

STLCOPCB4047507

June 1, 1973

Professor Lansing M. Prescott
Department of Biology
Augustana College
Sioux Falls, South Dakota 57102

Dear Professor Prescott:

I have received your request for samples of Aroclor 1254. I am forwarding under separate cover a sample of the commercial mixture which is generally described as being "technical grade".

The commercial material is described as a mixture because it consists of a random combination of isomers of chlorinated biphenyl. As a result, we do not have a "pure" material. If you are interested in studying polychlorinated biphenyl isomers you may wish to contact Analabs, Inc., 80 Republic Drive, North Haven, Connecticut.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1254 - S/N 1700

DSW 172884

STLCOPCB4047508

MAY

DSW 172885

May 31, 1973

Mr. David P. Cooper
Environmental Contaminant Laboratory
Memphis-Shelby County Health Dept.
814 Jefferson Avenue
Memphis, Tennessee 38105

Dear Mr. Cooper:

Your letter of May 29 addressed to Monsanto's Scott Tucker requesting standards of Aroclors has been forwarded to me for response. I am enclosing a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will make arrangements to have samples of Aroclor 1221, Aroclor 1242 and Aroclor 1254 forwarded to you. I regret I cannot supply samples of Aroclor 1232, Aroclor 1248, Aroclor 1260 or Aroclor 1271 but Monsanto has discontinued the manufacture of these products and our supply of samples has been depleted.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Dr. E. S. Tucker

DSW 172886

STLCOPCB4047510

bcc: C. Matzek - B2SJ

May 31, 1973

Mr. J. M. Koester
Manager - Chemical Purchases
Owens-Corning Fiberglas Corporation
Fiberglas Tower
Toledo, Ohio 43659

Dear Mr. Koester:

Enclosed is a Material Safety Data Sheet covering Monsanto's Syton 250 as you requested in your letter of May 15 addressed to Monsanto's Mr. R. M. Hoover.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 172887

STLCOPCB4047511

W. B. Papageorge - General Offices, B2NA

May 31, 1973 G. F. Fague - B2SC

OSHA-20
SANTOSOL 340

Dr. C. Paton
B2SC

Enclosed is a Material Safety Data Sheet (OSHA-20) covering Santosol 340.

W. B. Papageorge

/bt

Enclosure

DSW 172888

STLCOPCB4047512

W. B. Papageorge - General Offices, B2NA

May 31, 1973

DEPARTMENT 246 INCINERATOR

H. S. Bergen - B2SL
T. L. Gossage - B2SL
P. E. Heisler - 1740
A. E. Leicy - 1740
J. R. Savage - B2SL

Dr. C. Paton
B2SC

I reviewed with Paul Heisler the procedure which is followed to obtain permission from the regulatory authorities in Illinois for the incineration of materials at the WGK unit.

Paul informs me that pilot studies must be performed by the John Zink Company at their pilot unit in Tulsa, Oklahoma. The results of these studies are forwarded to the Illinois authorities for their review. The elapsed time to conduct the studies and submit the report is about three to four weeks following the receipt of drum quantities of test material.

The review by the state and granting of the permit will require about sixty days.

If the pilot studies show that pollution criteria are not being met; for example, particulate matter from the stack exceeds control levels or phosphate concentrations of stack gases or scrubber water exceed control levels, we would be required to modify the facility. Depending on the extent of the modification required, this could well require an additional six to twelve months.

W. B. Papageorge

/bt

DSW 172889

STLCOPCB4047513

May 31, 1973

Dr. W. B. Karp
Department of Cell
and Molecular Biology
Medical College of Georgia
Augusta, Georgia 30902

404-724-7111 (ext 8881)

Dear Dr. Karp:

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

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 172890

STLCOPCB4047514

May 31, 1973

Mr. Maurice Juge
Southern Testing Laboratories
824 Marengo
Box 15209
New Orleans, Louisiana 70115

Dear Mr. Juge:

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

Also enclosed is a copy of Monsanto's methodology for the determination of polychlorinated biphenyls which I hope you find useful and informative.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

DSW 172891

254

STLCOPCB4047515

W. B. Papageorge - General Offices, B2NA

May 31, 1973

COOPER TIRE & RUBBER COMPANY
LAMPBLACK 10X SPECIFICATION

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

Mr. R. D. McDaniel
B2SJ

Will you please arrange to have someone inform Mr. William J. Hession, Cooper Tire & Rubber Company, that we have reviewed his specification, Cooper code No. 12011 for Lampblack 10X, and have the following comments to offer:

1. The specifications for moisture, ash, free carbon, volatile matter and pH are acceptable using Monsanto's test procedures; copies of which are attached.

2. The sulfur content proposal of 0.08-0.15% is too low and we propose that 0.30% be the maximum. A copy of Monsanto's test procedure for this property is also attached.

3. A request is made that a copy of a "vendor's quality control report" be prepared for each shipment and must contain actual test data indicative of the material being shipped. None of the properties listed on Cooper Tire & Rubber Company's specification are determined on all lots. Emerson Eldridge informs me that these properties vary very little and only an occasional check is necessary. Will someone discuss this testing frequency with Cooper.

W. B. Papageorge

/bt

Attachments

DSW 172892

STLCOPCB4047516

W. B. Papageorge - General Offices, B2NA

May 31, 1973 /

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

SANTOTHERM/THERMINOL LABELS

GRS to WBP, 5/11/73

Mr. G. R. Sido
G4EC

Your proposal to limit the Therminol label to the English text and to add the Spanish text to an additional label for export orders is acceptable.

Will you please arrange for these revised labels.

W. B. Papageorge

/bt

DSW 172893

STLCOPCB4047517

bcc: G. F. Fague - B2SC

May 31, 1973

Mr. Edward Eddy
Environmental Services
Crown Zellerbach Corporation
Fourth & Adams Streets
Camas, Washington 98607

Dear Mr. Eddy:

Monsanto's Mr. Phillip Gritten has informed me of your concern of the possible presence of polychlorinated biphenyls in the biphenyl which your company purchases from Monsanto.

Polychlorinated biphenyls are not produced at the same location as biphenyls. They are not used as raw materials or ingredients in the manufacture of biphenyl nor or they present in the processing equipment as lubricants, hydraulic fluids or heat transfer media.

To the best of our knowledge and belief there are no polychlorinated biphenyls present in the biphenyl.

I hope this information is useful to you and if we can be of further service please do not hesitate to contact me or Mr. Gritten who may be reached at the following address:

Mr. Phillip Gritten
316 Arizona Court
Vancouver, Washington 98661

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 172894

cc: Mr. Phillip Gritten

W. B. Papageorge - General Offices, B2NA

May 31, 1973 G. F. Fague

Mr. Phillip Gritten
Vancouver, Washington

Enclosed is the letter addressed to Mr. Eddy of Crown Zellerbach as you requested. Will you please arrange to have this letter delivered to Mr. Eddy.

W. B. Papageorge

/bt

Enclosure

DSW 172895

STLCOPCB4047519

W. B. Papageorge - General Offices, B2NA

May 30, 1973

BONE MEAL SPECIFICATIONS

D. C. Dieterich - 1150
J. E. Eldridge - 1150
H. Teicher - N1A
J. J. Zeman - B2SB

Mr. E. L. Moore
B2SJ

While searching for analytical procedures for the determination of the Bone Meal characteristics you sent to me on March 14, I find that the only procedures available apply to % Water, % Fat and % Grease.

Harry Teicher suggested that we approach the U.S. producers requesting they share their methodologies with us.

Can we get copies of their procedures?

W. B. Papageorge

/bt

DSW 172896

STLCOPCB4047520

W. B. Papageorge - General Offices, B2NA

May 30, 1973

ACL-85 PRODUCT SPECIFICATIONS
CHEM LAB PRODUCTS

E. K. Brakebill - B2SJ
E. P. Layton - 1740
D. D. Mickelson - 1740
E. L. Moore - B2SJ
G. D. Nelson - N1A

Mr. E. M. Connors
1550 - Los Angeles

I contacted Ed Layton at the Krummrich plant to discuss with him the plant's procedure for determining screen sizes on ACL-85 products. In testing ACL-85 Regular and Granular, the screen sizes which are used are those mentioned in the product specifications. No intermediate screen sizes are involved.

During the past week or so additional screens have been added during the screen test for ACL-85 Extra Granular. The screen nest now consists of screens Nos. 12, 20, 30, 60 and 100. The material retained on No. 12 and which goes thru No.100 are reported. The amounts retained on Nos. 20, 30 and 60 are recorded in the laboratory for internal use.

Before we commit ourselves to Chem Lab Products as to the amounts retained on these additional screen sizes, I suggest that we accumulate further data to establish realistic ranges.

W. B. Papageorge

WBP/bt

DSW 172897

STLCOPCB4047521

W. B. Papageorge - General Offices, B2NA

May 29, 1973

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

AIRCO SPEER
SPECIFICATION NO. MSR - 1071
LAMPBLACK #2

Mr. F. Klemencic
1650 - New York

The proposed specification submitted by Airco Speer is not acceptable because the suggested limits are too low.

I propose the following as being more acceptable:

Moisture	0.50% Max.
Ash	0.05% Max.
Volatile Matter	0.55% Max.
Oil Absorption	123-130 lbs/cwt

It would also be very helpful if we could see copies of the test procedures proposed so that we may evaluate them.

W. B. Papageorge

/bt

DSW 172898

STLCOPCB4047522

May 29, 1973

Mr. Charles D. Gallagher
Corporate Director of Purchasing
The Valspar Corporation
1101 Third Street South
Minneapolis, Minnesota 55415

Dear Mr. Gallagher:

Enclosed is a Material Safety Data Sheet covering Monsanto's Santocel 54 as requested in your letter of April 27, 1973.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 172899

STLCOPCB4047523

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

May 29, 1973

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

Dear Mr. Brown:

I regret and apologize for the delay in responding to your letter dated April 9 in which you requested further information regarding Monsanto's Lampblack BTA. I was awaiting results of heavy metal analyses which finally became available.

I have filled in on the attached form all of the information which is currently available to us. I hope you find it useful.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 172900

207

STLCOPCB4047524

bcc: C. Matzek - B2SJ
R. D. McDaniel - B2SJ
D. Oosthuizen - G4NN

May 29, 1973

Mr. J. T. Norenberg
The Martin-Senour Company
2500 South Senour Avenue
Chicago, Illinois 60608

Dear Mr. Norenberg:

I regret and apologize for the delay in responding to your letter dated April 26 in which you requested information on Monsanto's PhosChek P/30, Santocel 54 and Santocel C. I hope this delay has not seriously inconvenienced you.

I have entered on your forms the available information which I hope you find useful.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Mr. J. M. Kuenz
Chicago

DSW 172901

346

STLCOPCB4047525

May 24, 1973

Mr. Fritz J. Hopf
Harleco
60th & Woodlawn Avenue
Philadelphia, Pennsylvania 19143

Dear Mr. Hopf:

I regret I cannot be as helpful with suggestions for alternative materials to replace the Aroclors used in your applications as I would like to be, however, I understand that Walter C. McCrone Associates, Chicago, Illinois may be of some assistance to you in obtaining alternative materials.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 172902

STLCOPCB4047526

May 23, 1973

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

Dear Dr.Stalling:

I would appreciate receiving a copy of your Annual Progress Report for 1972.

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

Thank you for your cooperation in this matter.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 172903

STLCOPCB4047527

bcc: J. M. Kuenz - Chicago

May 23, 1973

Mr. Joseph M. Cunniff
Purchasing Agent - Raw Materials
Dewey and Almy Chemical Division
W. R. Grace Company
62 Whittemore Avenue
Cambridge, Massachusetts 02140

Dear Mr. Cunniff:

Enclosed is a Product Specification sheet covering Monsanto's Santocel C and copies of the analytical methods used by Monsanto relating to these specifications as you requested in your letter of April 9 addressed to Jensen Souders & Associates.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

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

DSW 172904

STLCOPCB4047528

May 23, 1973

Special Issues Sales Department
American Chemical Society
1155 Sixteenth Street, N.W.
Washington, D. C. 20036

Gentlemen:

I would appreciate receiving a copy of the SOCMA Handbook of Commercial Organic Chemical Names published by the American Chemical Society.

Please enclose invoice with publication and send to my attention.

Thank you for your cooperation in this matter.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 172905

STLCOPCB4047529

May 23, 1973

Professor Lansing M. Prescott
Department of Biology
Augustana College
Sioux Falls, South Dakota 57102

Dear Professor Prescott:

I have received your letter of May 11 requesting samples of polychlorinated biphenyls. Enclosed is a Request for Sample Quantity of Product Containing PCBs. If you will return the completed form to me I will make arrangements to have the PCB samples you request forwarded to you.

I am forwarding a copy of your letter to Thomas D. Crawford in our Agricultural Division who is responsible for methyl parathion. You should be hearing from him shortly relating to these samples.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: Mr. Thomas D. Crawford

DSW 172906

341

STLCOPCB4047530

W. B. Papageorge - General Offices, B2NA

May 23, 1973

J. K. Grant - 1740
A. E. Leisy - 1740
J. R. Savage - B2SL

SCRAP AROCLOR RETURNS

Memo, JKG to AEL, 5/11/73

Dr. C. Paton
B2SC

In response to your request that I comment on the problem of leaking scrap Aroclor drums, I have the following to offer:

I don't believe that we will ever achieve a situation in which we can guarantee that no drums of returned material will ever leak. The best we can hope for is that we keep the incidences at a very low level.

It is my understanding that the responsibility for the material remains with the shipper and any costs or claims resulting from an incident must be borne by him. The proposed ANSI guidelines for handling askarels refer to the use of "appropriate metal transport drums". Bill Maddox's letter to customers relating to our incinerator service contains the following paragraph:

> "To prevent leakage, please use return drums which meet DOT 17E specifications (55 gallon drums, 18 gauge, 2 bung head; 5 gallon drums, 24 gauge minimum). The outside of the drums must be clean, free of fluid and not leaking. Cleanup or other costs affecting the carrier which are related to fluids leaking from drums will be charged to the shipper."

Polychlorinated biphenyls are not classified as hazardous materials, therefore, there is no restriction against shipping in mixed loads with food, pharmaceuticals, animal feeds or wearing apparel.

It appears to me that the only action we can take is to continually remind our customers of the requirements as described in Bill Maddox's paragraph quoted above.

W. B. Papageorge

/bt

DSW 172907

STLCOPCB4047531

W. B. Papageorge - General Offices, B2NA

May 22, 1973

PCB-FDA REGULATIONS

H. S. Bergen - B2SL
K. W. Easley - 1920
T. L. Gossage - B2SL
C. Paton - B2SC
J. F. Stapleton - B2SA

Mr. W. R. Corey
B2SL

As you know, the Food & Drug Administration proposed regulations relating to PCBs on March 18, 1972. To date, these regulations have not been published in their final form. Because of the length of the elapsed time, I believe it is appropriate that we review the status of our action plan.

1. Drafts of letters to heat transfer fluid customers and to hydraulic fluid customers were prepared, reviewed and comments submitted. Our Law Department is reserving comment until they have had an opportunity to read the final draft of the regulation.

2. Mailing lists have been reviewed by Paul Gann and are readily available.

As soon as the regulations are available the following must be completed:

1. Law Department:

   Review drafts of proposed customer letters.

2. Marketing:

   Review hydraulic fluids customer mailing lists to eliminate those customers that are obviously not affected by the regulation (e.g. General Motors, Ford).

3. Marketing:

   Arrange for mailing of the approved letters.

Warren Easley has been contacting Mr. John Wessel, FDA, to determine the status of the regulations and has been told that an amendment to the environmental impact statement is being prepared and will be issued at the same time as the regulations. When asked as to the approximate

DSW 172908

date of issuance, Mr. Wessel's repeated response has been "within two weeks". Warren will maintain contact with Mr. Wessel in an attempt to get copies of the regulation as soon as they are available.

W. B. Papageorge

/bt

W. B. Papageorge - General Offices, B2NA

May 22, 1973

HIGH DK CAPACITOR FLUID --
MAXWELL LABORATORIES
CAPACITOR SPECIALISTS

W. R. Corey - B2SL
T. L. Gossage - B2SL
W. R. Richard - T3A
J. F. Stapleton - B2SA

Mr. H. S. Bergen
B2SL

Major Seago, Wright Patterson Air Force Base, called to ask us to reconsider our decision not to sell dichlorodiphenyl ether to Maxwell Laboratories and Capacitor Specialists.

Major Seago suggested we review and respond to one of the following three approaches:

1. The conditions under which Monsanto would sell ten gallons of the material to each of the companies.

2. Monsanto will share its technology relating to the preparation of developmental amounts of this fluid.

3. Monsanto is not interested in participating in the matter under any circumstances.

Will you have someone in the business group respond to Major Seago in writing. His address is as follows:

4950/PMNB
Major Seago
Wright Patterson AFB, Ohio 45433

W. B. Papageorge

/bt

DSW 172910

337

STLCOPCB4047534

May 22, 1973

Dr. Robert C. Hiltibran
Aquatic Biology Section
Illinois Natural History Survey
Urbana, Illinois 61801

Dear Dr. Hiltibran:

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
} 5/21699

DSW 172911

336

STLCOPCB4047535

May 22, 1973

Mr. B. E. Zolit
Vice President
Cosmopolitan Chemical Company, Inc.
23rd and 51st Avenue
Long Island City, New York 11101

Dear Mr. Zolit:

Your letter of May 21 addressed to Monsanto's New York Sales Office has been forwarded to me for response.

I have enclosed Material Safety Data Sheets covering Monsanto's Dequest 2000, Dequest 2010 and Dequest 2015 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

Enclosures

bcc: C. S. Alack - B2SJ

DSW 172912

STLCOPCB4047536

May 22, 1973

Mr. Charles D. Gallagher
Corporate Director of Purchasing
The Valspar Corporation
1101 Third Street South
Minneapolis, Minnesota 55415

Dear Mr. Gallagher:

Enclosed are Material Safety Data Sheets covering Monsanto's Lampblack and n-Butyl Acid Phosphate as you requested in your letter of April 27.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

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

DSW 172913

334

STLCOPCB4047537

May 21, 1973

Mr. T. Arthur Miyakawa
Bureau of International Commerce
U. S. Department of Commerce
Washington, D.C. 20230

Dear Mr.Miyakawa:

I would appreciate receiving from your office any information available relating to the conditions under which Japanese authorities will permit the entry of polychlorinated biphenyls (PCBs) or products (e.g. computers, copy machines, etc.) containing these chemicals into their country.

Any help your office can give me will be appreciated.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

DSW 172914

33

STLCOPCB4047538

W. B. Papageorge - General Offices, B2NA

May 16, 1973

ISOOCTYL ACID PHOSPHATE

N. G. Hobbs - 1410
J. DiTommaso - 1410
C. Katzek - B2SJ
R. D. McDaniel - B2SJ
E. L. Moore - B2SJ
H. Teicher - H1A

Mr. D. Oosthuizen
G4HN

Attached is a tentative specification for Isooctyl Acid Phosphate which I suggest you propose to U.O.P.

You will note that diester content is not mentioned. This omission is deliberate since manufacturing apparently has difficulty in producing consistent material. If the diester content is important to U.O.P. I am sure they will raise the question and we can then consider their counter-proposal.

W. B. Papageorge

/bt

Attachment

DSW 172915

STLCOPCB4047539

Monsanto

PRODUCT SPECIFICATIO

MONSANTO INDUSTRIAL CHEMICALS C(

TENTATIVE

PRODUCT ISOOCTYL ACID PHOSPHATE CODE NO.

GRADE U.O.P. DATE EFFECTIVE May, 1973

These specifications are tentative and subject to confirmation or change as experience is developed.

A clear, light brown to reddish colored liquid.

CHARACTERISTICS	LIMITS
All Specifications As Manufactured	
Color, ASTM D1500	2.5 Max.
Total Acid No., mgKOH/g	310 Max.
Free Acid as H_3PO_4 (weight %)	3.2 Max.
Appearance	No Suspended Matter

DSW 172916

a unit of Monsanto Company

IN-85 (REV. 1-72)

STLCOPCB4047540

May 18, 1973

Mr. Robert Weeks
Department 4310
Western Electric Company
2000 N.E. Expressway
Norcross, Georgia 30071

Dear Mr. Weeks:

Enclosed is a copy of Monsanto's analytical methodology for the determination of polychlorinated biphenyls and a Material Safety Data Sheet covering Monsanto's Inerteen 70-30 that you requested.

In addition, I have included a copy of HYGIENIC GUIDE SERIES for Chlorodiphenyls in which you will find the recommended maximum atmospheric concentrations to be 0.5 milligram per cubic meter to 1.0 milligram per cubic meter.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

H, 6.
Inerteen 70-30

DSW 172917

STLCOPCB4047541

W. B. Papageorge - General Offices, B2NA

May 18, 1973

R. S. Baker - B2SL
H. S. Bergen - B2SL
W. R. Corey - B2SL
J. R. Savage - B2SL
J. J. Zeman - B2SB

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

I recently sent to you a copy of the OSHA emergency regulations concerning the handling of carcinogens published in the Federal Register on May 3, 1973. By definition any material containing 1% or more of 14 listed chemicals is considered a carcinogen. I have attached a list of the 14 chemicals, which also includes trade names.

A review has been made of the raw materials purchased by Monsanto. Of the 315 materials listed in the 1973 Raw Material Requirements, all but 31 have been classified as being non-carcinogenic by the above definition. I have attached a list of the 31. I suspect these materials are probably acceptable but we need to confirm this. Will you please determine if any of those materials on the list which are involved in our products could be classified as carcinogens by the OSHA definition. I believe it is also appropriate at this time to review other materials used in your laboratories in developmental quantities to determine if they too would fit the definition.

A prompt reply would be appreciated.

W. B. Papageorge

/bt

Enclosures

DSW 172918

STLCOPCB4047542

W. B. Papageorge - General Offices, B2NA

May 18, 1973

ALPHA-NAPHTHYLAMINE --
OCCUPATIONAL SAFETY AND
HEALTH STANDARDS

Mr. H. S. Bergen
B2SL

W. R. Corey - B2SL
J. S. Metcalf - B1NC
W. R. Richard - T3A
E. S. Robson - B3NA
C. W. Roos - B2SA
G. Roush - A2SA
J. R. Savage - B2SL
E. P. Wheeler - A2SA

Mr. Stephen Kasprzak, SOCMA, called late yesterday afternoon to inform me that duPont had met with representatives of the Department of Labor on May 16 to discuss the standards published in the Federal Register dated May 3.

DuPont's alpha-naphthylamine plant, with slight modifications, will be in compliance with the standards. DuPont plans to continue operations.

Mr. Kasprzak also informed me that the n-phenyl-naphthylamine which we purchase contains less than 1% alpha-naphthylamine, therefore, it is not subject to the standard. DuPont plans to inform all its customers in writing of these developments.

W. B. Papageorge

/bt

DSW 172919

STLCOPCB4047543

May 17, 1973

Mr. G. E. Lewis
National Silo Association
P. O. Box 247
209 Franklin Street
Cedar Falls, Iowa 50613

Dear Mr. Lewis:

I have received your letter of May 15 and thank you for the copy of the enclosed article on PCBs.

As you have requested, I am pleased to enclose copies of papers relating to the PCB situation in Japan.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

DSW 172920

STLCOPCB4047544

W. B. Papageorge - General Offices, B2NA

May 17, 1973

COOPER TIRE & RUBBER COMPANY
LAMPBLACK 10X SPECIFICATIONS
Memo, JEE to WBP, 5/14/73

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

Mr. J. E. Eldridge
1150 - Camden

After reviewing the Cooper Tire proposed Lampblack 10X specification, you suggested that the sulfur content be increased from a maximum of 0.15% to 0.30%. In reviewing the files, I find that the upper limit of 0.15% has been in effect since August 1961 and there is no evidence that we have not been able to produce material which satisfies this requirement. Have we had difficulties recently in maintaining the lower level? What has contributed to this change? Is your recommended level of 0.30% based on an analysis of plant performance?

In order to specify Monsanto's methods of analysis I will need copies of test procedures. Will you please send me a complete set.

You indicated that you do not routinely test every lot for all of the listed properties. Which tests are run on all lots? How frequently are the remaining tests run?

W. B. Papageorge

/bt

DSW 172921

STLCOPCB4047545

W. P. Papageorge - General Offices, B2NA

May 17, 1973

Dr. C. Paton
B2SC

Will you please have someone inform Mr. J. R. Menster, The Timken Company, that the Pydraul 230C, Pydraul 312C and Skydrol 500B they purchase from us are labeled in compliance with the OSHA regulations listed in the Federal Register, Volume 37, No. 202, Sections 1910.144 and 1910.45.

W. B. Papageorge

/bt

Enclosures

DSW 172922

STLCOPCB4047546

Monsanto

OUTGOING MESSAGE BLANK
Telecommunications System

DATE 5/17 | TIME 9:00 | SENDER'S ACCOUNT NO. 47-000-735.10

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

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

R. F.

J. N. Haggart
Brussels

Re Santotherm labeling -- Label 1150/93 not adequate since it prevents use in food systems. See Meadowcroft files for Sido memo dated May 4 and my memo dated May 2. Please proceed as planned.

W. B. Papageorge
St. Louis, Mo.

cc: A. E. Meadowcroft
C. Paton
G. R. Sido

N-IR
REV. 7-64

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

DSW 172923

STLCOPCB4047547

May 16, 1973

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

Dear Dr. Hiltibran:

I have received your request for samples of Aroclor 1221, Aroclor 1242 and Aroclor 1254 but note that the sample request form was not signed. I am returning this form to you for proper signature.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

DSW 172924

STLCOPCB4047548

May 16, 1973

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

Dear Dr. Alexander:

I have received your request for a sample of Aroclor 1254 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-1254 — 1698

DSW 172925

STLCOPCB4047549

May 16, 1973

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

Dear Bill:

I have received your request for Aroclor samples and am forwarding samples of Aroclor 1242 and Aroclor 1254 to you under separate cover. I am also sending a sample of Aroclor 1016. This is the fluid now being used by the electrical industry in capacitors. We have no Aroclor 1061--I am sure you mean 1016.

I regret I cannot supply a sample of Aroclor 1260 but Monsanto has discontinued the manufacture of this product and our supply of samples has been discontinued.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1242
A-1254
A-1016
} 15-91

DSW 172926

STLCOPCB4047550

W. B. Papageorge - General Offices, B2NA

May 15, 1973

F. Klemencic - 1650
R. D. McDaniel - B2SJ
H. Teicher - N1A

Mr. J. Emerson Eldridge
1150 - Camden

I reviewed the files and found the attached General Tire & Rubber Company specification for Lampblack. You will note the iodine number of 9-16.

Roger McDaniel mentioned General Tire at Mayfield, Kentucky. This particular specification shows the address as Akron, Ohio. I have no way of knowing whether it applies to the Mayfield location.

W. B. Papageorge

/bt

Attachment

DSW 172927

STLCOPCB4047551

May 15, 1973

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

Dear Dr. Srebocan:

I have received your letter of May 7 and am sorry to hear the samples of Aroclor 1242 and Aroclor 1254 I promised to send have not arrived. A check of our records indicate these samples were shipped from the plant on February 18; however, I am making arrangements to have a second shipment forwarded to you.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

A-1242 } S/T 1590
A-1254 }
second shipment

DSW 172928

STLCOPCB4047552

May 15, 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:

We have reviewed your specification D4Y16-S4 for Lampblack and would like to inform you that we find we have been shipping to these specifications since 1960 and they continue to be acceptable.

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

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

DSW 172929

STLCOPCB4047553

W. B. Papageorge - General Offices, B2NA

May 15, 1973

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

LAMPBLACK B-5
UNIROYAL SPECIFICATION

Mr. J. E. Eldridge
1150 - Camden

Roger McDaniel and I have thoroughly searched our files and find no evidence that we have agreed to a Uniroyal specification relating to Lampblack B-5.

W. B. Papageorge

/bt

DSW 172930

316

STLCOPCB4047554

W. B. Papageorge - General Offices, B2NA

May 15, 1973 E. K. Brakebill - B2SJ

ACL-85 PRODUCT SPECIFICATIONS
CHEM LAB PRODUCTS

Mr. E. M. Connors
1550 - Los Angeles

Enclosed are Product Specification sheets on ACL-85 Regular, Granular and Extra Granular as requested in your memo of May 7.

I have checked with our Research Department and find the only screen size tests that have been conducted are as shown on the attached product specifications. We can arrange to have random samplings made on additional screen sizes if Ken Brakebill of the product group concurs that the importance of this account would warrant such tests.

W. B. Papageorge

/bt

Enclosures

DSW 172931

STLCOPCB4047555

bcc: R. D. McDaniel - B2SJ

May 15, 1973

Mr. Charles R. Thorne
Forbes Automotive Finishes
Coatings and Resins Division
PPG Industries, Inc.
3800 West 143rd Street
Cleveland, Ohio 44111

Dear Mr. Thorne:

Enclosed is the completed State of Michigan's Critical Materials Register covering Monsanto's Lampblack B-5 as requested in your letter of May 7, 1973.

A copy of your letter, along with the remaining Critical Materials Register sheets covering Monsanto's Rubber and Process Chemicals, has been forwarded to P. O. DeGarmo who is responsible for those products. You should be hearing from him shortly.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosure

cc: P. O. DeGarmo

DSW 172932

314

STLCOPCB4047556

bcc: J. C. Weber - E1SF
P. O. DeGarmo - B3NJ

May 14, 1973

Mr. K. E. Tartar
Director of Purchases
DuBois Chemicals
Division of Chemed Corporation
DuBois Tower
Cincinnati, Ohio 45202

Dear Mr. Tarter:

As requested in your letter of May 3, enclosed are Material Safety Data Sheets covering Monsanto's products for which I am responsible:

Dequest 2000
Dequest 2010
Santobrite

I cannot determine who in Monsanto would be responsible for Ammonium Hydroxide 26, KP-140, or Solvent SC-150 and am, therefore, forwarding a copy of your letter to our Customer Inquiry Center for further information on these products. You should be hearing from them shortly.

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

Sincerely,

W. B. Papageorge
Manager
Product Acceptability

WBP/bt

Enclosures

cc: Customer Inquiry Center

DSW 172933

STLCOPCB4047557

May 10, 1973

Dr. F. J. Vernberg
Belle W. Baruch Coastal
Research Institute
University of South Carolina
Columbia, South Carolina 29208

Dear Dr. Vernberg:

I have received your request for samples of Aroclor 1242, Aroclor 1254 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 1016
" 1242
" 1254
} 1589

DSW 172934

STLCOPCB4047558

May 10, 1973

Mr. Roy Baker
Hydro Research Laboratories Division
Vulcan Laboratories, Inc.
408 Auburn Avenue
Pontiac, Michigan 48058

Dear Mr. Baker:

I have received your request for samples of Aroclors. Under separate cover I am sending samples of Aroclor 1242 and Aroclor 1254. I regret I cannot supply samples of Aroclor 1232, 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

A-1242 } 1588
A-1254 }

DSW 172935

STLCOPCB4047559

W. B. Papageorge - General Offices, B2NA

May 10, 1973

FAO/WHO, FCC, JSFA
SPECIFICATIONS

Mr. J. S. Metcalf
B1NC

I have reviewed the tabulation of specifications submitted by Durward Dodgen for Silicon Dioxide, Amorphous. The specifications as listed appear to be appropriate for defining the purity of the substance for its intended use.

W. B. Papageorge

/bt

DSW 172936

STLCOPCB4047560