INDEX file PCB Customer notifications

Letter

No.	Date	Author	Customer Type	Abstract of Letter
1	2/9/70	Olson	Pydraul, FR & Industrial	Customer alert on PCB enviro-problems for A-1254 & 1260, include Pydraul 625, AC, AC Winter Grade, 540 and FR-3, and certain dielectrics. Other products listed do not contain these Aroclors (54% & 60% Chlorine).
2	2/18/70	Olson	Dielectric	Alert to PCB enviro-problem for Aroclor 1254 & 1260, include Pydraul 625, AC, AC Winter Grade, 540, FR-3 and certain dielectrics. Lists products not containing these Aroclors. Recommend customer notify his equipment (transformers) users. PCB's with less than 54% chlorine not found in environment and appeared to be no potential problem.
3	2/19/70	Schalk	Plasticizers-Distributor	PCB enviro-alert. Monsanto notified all its customers of Aroclor. Request you alert your customers and keep record. Suggested letter attached. (Actual mailing may have been 2/24/70 to the 4 distributors per Paton's 3/2/70 memo).
4	2/27/70	Schalk	Plasticizer-Customers	PCB enviro-alert on Aroclor 1254 & 1260. PCB's with less than 54% chlorine have not been found in the environment and appear no potential problem. No PCB in A-5060, 5442 & 5460. Take all possible care in application and handling; avoid loss to environment.
5	4/13/70	Kelly	USDA, only	PCB enviro-alert - possible source through pesticide formulations. We believe PCB's should not be used in these formulations. Ask USDA to consider PCB in re-registration of pesticides.
6	4/29/70	Schalk	Plasticizer-Distributor	No further sales of any PCB to customers using it in insecticides or pesticides formulations. Monsanto wrote USDA about PCB registration in this use. Request distributor cooperation. Request distributor confirm compliance to Monsanto request. Covers A-1221, 1232, 1242, 1248 1254, 1260, 1262, 1268, 4465 and their toluol/xylol solutions. Terphenyl not included. Santolite and Santicizer substitutes should be checked by the customer to obtain USDA clearance before use.

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No.	Date	Author	Customer Type	Abstract of Letter
7	5/11/70	Olson	Dielectric, Transformer Customers (Ref. 2/18/70 letter	Refers to February 18, 1970 letter, Disposal of spent PCB a problem. Proper disposal of PCB fluids by Monsanto at 3¢/per lb.
8	5/12/70	Olson	Dielectric, Transformer	Acknowledged that the 2/18/70 letter referred to in the 5/11/70 letter had not been previously sent to the customer.
9	5/25/70	Schalk	Plasticizer, Distributor	Monsanto will stop sales of PCB for modifier and plasticizer applications effective 8/30/70. Direct customers to be notified 6/1/70. Suggest distributor take same action and keep record. Covers A-1232, 1242, 1248, 1254, 1260, 1262, 1268, 4465, 1100, Montar & toluene/xylene blends. Alternative products suggested.
10	6/1/70	Schalk	Plasticizer, Customers	(Originally thought date was 5/70, but believe letter sent & dated 6/1/70.) Refers to 2/27/70 letter. Monsanto stopped sales of PCB products for modifier & plasticizer use effective 8/30/70. A-1232, 1242, 1248, 1254, 1260, 1262, 1268, 4465, Montar 1, and toluene and xylene blends. Suggested replacements listed.
11	6/8/70	Fallon	FR-Food customers, Heat Transfer	Refers to 2/9/70 letter. Effective 7/31/70, Monsanto will stop sales of FR fluids "were the potential for food contamination exists". Suggests conversion to other fluids such as T-66. Alert your insurer of property. We will aid on disposal.
12	6/11/70	Olson	Industrial	Terminating Aroclor sales August 30, 1970 to industrial customers. Covers A-1242, 1248, 1254, 1260. (Note, the referenced Feb. 27, 1970 letter not located in "warning letter file". But on May 31, 1973, Olson confirms June 11, 1970 letter would have gone only to industrial customers - not to plasticizer customers.)

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No.	Date	Author	Customer Type	Abstract of Letter
13	6/11/70	Johnson	Pydraul Customers	Refers to February letter. Pydrauls reformulated do not contain 54% & 60% chlorine PCB's. New formulations available within next 90 days when warehouse inventories are depleted.
14	8/6/70	Benignus	Experimental MCS-1016 - Dielectric, capacitor	Suggested as replacement for Arocior 1242 in capacitors. Request immediate testing by customers as Monsanto expects to convert to this product to help reduce PCB pollution problem.
15	8/14/70	Schalk	Plasticisers-Distributors	Alert that Monsanto advising direct customers in plasticiser modifiers applications latest summary on PCB's and latest tech bulletin. Request distributor to forward copy of bulletin to Arocior customers. Two month extension on return goods policy. (Attachments include 8/14/70 direct customer letter & copy of bulletin).
16	8/14/70	Schalk	Plasticizers-Customer	Refers to 2/27/70 & 6/1/70 letters. Monsanto last PCB shipment 8/30/70 to this market. FDA alert on PCB allowable limits in fish and milk. Hazardous areas include coatings for water treatment, silos, feed hoppers. Sales of Aroclor 1221 & 5442 & 5460 and their blends will continue. Return for credit policy stated.
17	8/27/70	Johnson	Hydraulic, Pydraul	Refers to 2/70 letter. Pydraul F-9 reformulated to Pydrual F-9A contains no PCB. During the next 90 days as warehouse inventories deplete new orders will be filled with new formulation.
18	9/23/70	Waychoff	Plasticizer-Customers	New Product Bulletin and Price list.
19	9/28 - 10/12/70	Graham	Dielectric disposal - transformer	Our incinerator start-up delayed until early 1971. Return label and incineration policy stated. Rollins Purle Co. in New Jersey considering constructing 100 similiar units in the U.S. Monsanto will inspect for approval and negotiate the service price.

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No.	Date	Author	Customer Type	Abstract of Letter
20	10/26/70	Hall	Santovac, diffusion pumps	FDA guideline for PCB in fish and milk. Imperative to avoid waste and spills. Santovac I & II contain PCB should be reclaimed or return to Monsanto for disposal. Aroclor 1242, 1248, 1254 are no longer for sale for use in diffusion ejector pumps.
21	11/25/70	Fallon	FR-Heat Transfer	No further sales of FR-2 and FR-3 after 12/31/70. FR-1 available for direct replacement and top-up. Reason - FR-1 more versatile. (Note, this is not a warning letter on PCB)
22	12/15/70	Graham	Dielectric, disposal	Refers to recent letter requesting customer projection of scrap PCB expected in 1971 for incineration. We are considering means for handling contaminated solid materials.
23	2/1/71	Bradford	Non-electrical, Pydraul	Lists Pydrauls containing PCB's and new Pydrauls containing no PCB's. As old inventory is depleted and warehouses drain next 60 days, new formulations will be shipped.
24	2/18/71	Benignus	Dielectric - capacitor	Refers to 2/6/70 letter on MCS-1016. Our labs have completed capacitor life study tests. MCS-1016 essentially equivalent to Aroclor 1242. MCS-1016 production goals for 7/1/71. Purpose to help alleviate PCB pollution problem.
25	4/15/71	Bradford	Hydraulic, Pydraul	Refers to previous letters on PCB in Pydraul hydraulic fluid. Reformulations complete and new Pydrauls do not contain PCB's.
26	8/6?/71	Roder	FR-OEM	PCB's are in FR fluids. PCB's are persistant in potential contaminants to the environment. Important to keep PCB's out of food chain. Effective immediately, Monsanto restricting sales of FR to existing non-food related uses. We request customers to discontinue use of FR in any new equipment sales and stop mentioning FR in literature. FR no longer available to your firm. Non-PCB's substitutes are available but are not classified as fire-resistant.

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No.	Date	Author	Customer Type	Abstract of Letter
27	9/27/71	Hatton	Lubricant & Hydraulic	Reminder that Santovac I & II contain PCB and to avoid loss to environment. Special concern to uses around food and food-related systems. Monsanto disposal policy mentioned.
28	9/27/71	Schalk	Plasticizer - Distributors	Monsanto sending letter to direct Aroclor customers to explain the difference between old PCB Aroclors and current non-PCB Aroclors. Request distributors do the same.
29	9/30/71	Schalk	Plasticizer - Customer	Refers to Monsanto terminating PCB sales to plasticizers and resin modifiers effective 8/31/71. Present line made of polychlorinated terphenyls and monochlorinated biphenyls. No enviro problems known to date, but FDA approval has not been obtained. Therefore, these Aroclors should not be used in connection with food or food-related products, this includes wrappings, potable water, animal feed systems etc.
30	10/26/71 (July 17-Dec. 1971	Roush	FR Conversion food customers	Confirm sending non-PCB fluid at no charge for conversion. Non-PCB fluid is not classified as fire-resistant heat transfer fluid. Request return of drained FR fluid for disposal. We pay freight. (Conversion team log is a convenient source for developing an address list for this activity.)
31	12/10/71	Bergen	PCB Order acknowledge	PCB use and avoid leakage statement as acknowledgement to each PCB order.
32	12/15/71	Bergen	FR-Conversion	Monsanto terminating FR sales immediately. Conversion team formed and FR return policy stated. (Conversion team activities, letters are held in the Conversion team files in George Fague's office.)
33	12/16/71	Paton	FR-Key customers conversion	Transmittal letter to key customers of the Dec. 15, Bergen letter on Monsanto's conversion policy.

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No.	Date	Author	Customer Type	Abstract of Letter
34	12/20/71	Bergen #1	Dielectric	Effective January 15, 1972, PCB Askarel sales only to manufactures of transformers and capacitors, and those who sign HH.
35	12/20/71	Bergen #2	Dielectric	Effective January 15, 1972, PCB Askarel sales only to manufacturers of transformers and capacitors, and those who sign HH.
36	12/31/71	Bergen	Santovac I & II Discontinuance	Effective immediately, Monsanto discontinues sale of Santovac I & II vacuum pump fluids. Fluids contain PCB. Monsanto's return policy. Including free freight until 4/1/72. Full credit until 3/1/72.
37	12/31/71	Schalk	Plasticizer	Effective 3/31/72, Monsanto will cease sale of PCB for plasticizer and open system use. Current sales will be restricted to normal sales levels as defined by the last six months of 1971 experience.
38	1/31/72	Bergen	Pydraul	Effective 6/30/72, all Pydrauls will be reformulated to discontinue use of PCB.
39	2/4/72	Bergen	Dielectric-HH letter	Effective immediately, Monsanto will sell PCB dielectrics only to companies who signed HH letter. Transformer & capacitor makers only.
40	2/7/72	Gossage	Dielectric - approved manufacturers	References 1/15/72, Monsanto's discontinuation of PCB sales except to HH customers. You are an approved customer. Repair shops or your customers requesting FR fluids will be referred to you, the transformer manufacturer. You may choose to ship directly from your own stocks. We will make packaging information available.
41	2/28/72	Gossage	Dielectric - Transformer Repair Shops	Monsanto now selling PCB dielectrics only to equipment manufacturers signing HH letters. Shops need to contact transformer manufacturer for fluid needs.

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No.	Date	Author	Customer Type	Abstract of Letter
42	2/28/72	Bergen	Pydraul, Hydraulic	Refers to letter issued early February (believe this is the 1/31/72 mailing) on Pydraul reformulated to eliminate chlorinated components. New Pydrauls will be available 4/1/72 and will phase them in by May, 1972. We will write again in mid-March to keep you abreast of our plans.
43	3/19/72	Roder	FR-OEM, Heat Exchange	8/1/71 discontinuation of FR sales to new systems after food-related systems. Now discontinuating sales of all PCB containing Therminols worldwide. Suggest conversion to T-55 or T-66 and return PCB to us for disposal.
44	3/6/72	Paton	FR-Food, Heat Exchange	Survey of food customers to confirm their conversion from FR fluid.
45	3/15/72	Bergen	Pydraul, Hydraulic	New Pydraul products will be in shipment next 30-60 days as present fluid inventory is depleted.
46	4/72	Papageorge	All Dielectric and FR customers	Emphasize importance of avoiding PCB contamination of food, feed, packaging and environment. References FDA proposed rule.
47	5/25/72	Paton	FR Incineration Policy	Effective 7/1/72, Monsanto terminates offer of free incineration of FR fluids. New policy stated.

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