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See Distribution List

The public concern over environmental pollution due to PCBs continues in U.S.A. and Europe. The public and governmental agencies are becoming increasingly concered with the levels of PCB found in fish, eggs and poultry. In fact there have been several seizures of eggs and turkeys made by U.S.D.A. in the past several months.

Here is a status report by country:

1. U.S.A. and Canada

   Monsanto has voluntarily banned sales of PCB for all applications except dielectrics and a few restricted heat transfer systems.

2. UK

   Monsanto follows the same voluntary ban as in U.S.A.

3. Sweden

   The Swedish Government has banned the import of all PCBs and PCB-containing products except for the dielectric industry.

4. Holland

   As the attached news item shows Holland is actively considering a ban on PCBs.

5. Germany

   Monsanto will attend a meeting on PCBs at the German Ministry of Public Health in September.

add - Santovacs.

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6. U.N.

The U.N. will hold a conference on the Human Environment in the Spring of 1972. A group of Nobel scientists intend to sponsor a resolution that will ask for global restrictions on production and use of PCBs.

7. Japan

There has been a lot of controversy in the press on PCBs but so far no ban has gone into effect although this has been suggested.

In the face of the growing world-wide controversy on PCBs, Monsanto is extending its restrictions on sales of PCB to all world areas.

1. Dielectrics:

Monsanto will continue sales of electrical grade Aroclor 1242 and 1254 for capacitors and transformers. We will also continue sales of Inerteen 70-30 and 100-42 and Pyranol A13B3B for transformers. It will be the responsibility of each of you to make certain these products are sold only to bona fide dielectric users. Monsanto will refuse to release orders if there is any suspicion that these fluids are being sold for non-dielectric uses.

2. Hydraulic Fluids:

None of the Pydraul® hydraulic fluid series contains PCB ~~any~~ longer. You have already been notified of these reformulations.

3. Heat Transfer Fluids:

Please note that only the Therminol FR series (i.e. FR-0, FR-0 Lo Temp, FR-1 and FR-2) contain PCBs. All other Therminol fluids (i.e. 55, 66, 77, 88) are PCB-free.

Regarding the Therminol FR series:

(a) Therminol FR should not be offered for any new heat transfer systems in designed start-up phases. Therminol 66 is the best replacement although Therminol 55 may also be satisfactory in certain cases.

(b) Therminol FR should not be used in any heat processing system involving food, food-related products, animal feed, pharmaceuticals, and packaging for any of these items. Please identify--high priority-- any customers that might fall into this category.

(c) We intend to supply top-up FR fluid only for systems not listed in (b) above. Gradually, we hope these users can also be converted to Therminol 55 or 66. We will soon send you information on how to go about conversions. To guide us we need from each of you the existing users of FR fluids, their application, the end product they produce and the quantity of fluid in the system.

4. Plasticizers:

The following will not be sold ex-U.K., ex-U.S.A. or ex-local warehouses for plasticizer uses after December 31, 1971:

Aroclor 1232, 1242, 1248, 1254, 1260, 1262 and 1268
Aroclor 4465

Plasticizer use concerns any application outside bona fide dielectric and approved heat transfer top-up.

The following replacement Aroclor products are available:

Aroclor 1221
Aroclor 5432
Aroclor 5442
Aroclor 6000 series
(Aroclor 1221/5460 blends)

You were sent information on these new products one year ago.

Please note that no Aroclor product should be used in any system processing or handling food or related products, food wrapping or container materials, pharmaceuticals, animal feed stuffs or potable water systems. Labels to this effect will appear on all Aroclor drums.

You may wonder where this places us with regard to competition. We think we are in a stronger position than Prodelec or Bayer, etc. Why?

1. You have had replacements for plasticizer PCBs in your hands for over a year. There is no sign that Prodelec or Bayer have any yet.

2. Our PCB competitors cannot claim this is solely a Monsanto problem. Bans in U.K. and Sweden and a proposed ban in Holland mean European producers have a problem too. In Japan there is a clamor for a ban. A customer will gain little insurance by switching suppliers.

3. U.N. restrictions on PCBs is a real possibility at their meeting which is only about six months away.

Monsanto is genuinely interested in preventing ecological problems from its products. We would rather restrict our sales on a voluntary basis and help our customers use replacements than be suddenly legislated out of business. We want to adopt a responsible attitude towards all countries, peoples and communities where we operate. We want no violations of our policies on PCBs anywhere.

The PCB situation has engaged a lot of the time of higher Monsanto management, e.g. John R. Eck of our main Board of Directors and John Mason (former Assistant General Manager of Organic Division and now a Group Director in Monsanto Industrial Chemicals Company.) We, therefore, ask your active co-operation in putting these policies into effect without delay. If you have any questions, please contact Frank Camargo.

Thank you.

F. J. Camargo

C. Paton

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FJC/CP:mlr