Monsanto

FROM (NAME & LOCATION) C. Paton - General Offices - St. Louis

DATE September 22, 1969

SUBJECT AROCLOR

REFERENCE

TO : E. Wheeler/W. R. Richard - EWHEE
M. W. Farrar - JFQ

cc H. S. Bergen - HBERG
Paul Hodges - PHODG
E. V. John - EJOHN
Dr. R. E. Kelly - RKELL
W. E. Schalk - WSCHA
J. E. Springgate - JSPRI

CONFIDENTIAL

Jim Springgate has asked me to direct the attached correspondence to you for action as indicated.

1. State of Wisconsin, Dept. of Natural Resources

This is the first time anyone has linked chlorinated triphenyls (presumably the writer means Aroclor - 5460 type) to PCBs.

Attention E. W. /W. R. R.

Please furnish information to Degurse and samples if required.

Aroclor 5460 was included in the initial gross toxicity studies by Industrial Bio-Test as part of our long-term metabolic studies. It was not included in the longer-term studies apparently. I have obtained costs from Medical on carrying out tests on Aroclor 5460 similar to the PCB study now underway.

Attention J. E. Springgate/MWF.

- In view of our hopes to get FDA approval on Aroclor 5460 what action do we take on long-term metabolic studies on Aroclor 5460 along the lines underway with PCBs. In view of the apparent sensitivity of shellfish to PCBs, should fish be included in studies as well as rats, chickens, dogs, etc.

2. U. S. Department of Interior Federal Water

Pollution Control

Here is an enquiry concerning Aroclor 5442 used in microscopic studies. If Aroclor is being used as a compound for mounting slides

DSW 433694

in laboratories where studies are being made to determine the Aroclor content of water, is it any wonder that parts per billion are being found. It would take the complete vaporization of less than 0.08 cc. of PCB to give any room 20' x 15' x 10' (an average laboratory) a constant level of 2 parts per billion PCB.

I can also imagine another way in which PCBs show up on GLC. An investigator cuts up a fish and puts its organs under a microscope for analysis where they are contaminated by Aroclor from the slide mounting. Then the organs are extracted and the extract "fed" to a GLC. Lo and behold, Aroclors appear. (I don't know the PCB content of Aroclor 5442 but I would guess PCB is present just as in the case of Aroclor 5460.

Attention MWF.

Please determine if and how use of Aroclors as microscope slide mounting materials could result in contamination of GLC ran in the same laboratories.

Thank you.

C. Paton

CP:fs
Attachments

DSW 433695