SEP 5 - REC'D

MONSANTO CHEMICAL COMPANY

FROM LOCATION: General Offices

DATE: September 1, 1961

SUBJECT: Aroclor 1242

REFERENCE:

cc: R. S. Gordon
L. J. Machlin
W. J. McCarville
df: University of Missouri

TO: Elmer P. Wheeler

You have asked for a status report on Aroclor 1242 with regard to chick edema. O'Dell is not planning to do any more work beyond that that he has already told us about. However, the word has gotten around in toxicology circles and more studies are under way.

Samples of Aroclor 1242 have been submitted to Proctor and Gamble, to MIT, and to the National Dairy Products Corporation, for evaluation in chick edema studies. The Proctor and Gamble people spent a day with us about six weeks ago and gave us a detailed report on their work with chick edema factor. It appears that Aroclor 1242 does indeed produce the same symptoms in chickens as does the chick edema factor that has occurred in commercial fats. However, the Proctor and Gamble people are convinced that the degree of toxicity is so much less for Aroclor 1242 than for the naturally occurring material, that the two are not identical. Furthermore, their physical-chemical data available on the chick edema factor indicates that it is structurally different from Aroclor 1242. I believe that we are pretty much out of the woods on this problem because of this marked difference in degree of toxicity.

Most researchers in this field realize that many compounds can produce the chick edema factor and I believe that the problem will be solved within the next six months, and that Aroclor 1242 will not be involved.

Kenneth H. Maddy

KHM:cs

9/19/61

Talked with Maddy and he is sure it won't bother us.

R.E.K.

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