Monsanto

FROM (NAME & LOCATION): W. A. Kuhn - General Offices

DATE: July 25, 1969

SUBJECT: AROCLOR 5460

REFERENCE:

TO: J. Landwehr - Anniston
H. Williams - Anniston

cc: E. Emery
J. Smith
C. Paton

Relevant to the work of obtaining FDA clearance for Aroclor 5460, please answer the following questions as soon as possible.

1. What is the accuracy of the analytical determination of biphenyl in Santowax R and C?

2. As you distill Santowax R from Santowax C the biphenyl content in Santowax increases by virtue of the removal of Montar. What is the maximum and minimum change you would guarantee, assuming we will operate to not exceed 0.3% biphenyl in Santowax C? Please express this change as the ratio

$$\frac{\text{Biphenyl in R}}{\text{Biphenyl in C}}$$

3. As we distill Aroclor 5460, its chlorinated biphenyl content will also rise. What is the maximum and minimum change we could guarantee expressed as the ratio

$$\frac{\text{Chlorinated Biphenyl in Refined 5460}}{\text{Chlorinated Biphenyl in Crude 5460}}$$

In addition, please send two samples to Ed Emery (St. Louis) as follows:

- About 1# of Santowax R which has a biphenyl content which comes as close to matching the predicted maximum change in (2) above. In other words, if you believe the maximum increase would be a ratio of 1.33, send a sample of R which has a biphenyl content as close to 0.4% as possible (0.3 x 1.33 = 0.4).

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IN-10 REV. 11-65

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GM. About 20 gms. of the low color Aroclor 5460 recently produced in the laboratory.

Please let me know when these samples are on the way.

W. A. Kuhn

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bt

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