Monsanto

FROM (NAME & LOCATION): Kern Sears - St. Louis Organic Research

DATE: August 1, 1969

SUBJECT: AROCLORS

REFERENCE:

cc M. W. Farrar, Res. 1
R. E. Keller, Res. 1
W. R. Richard, WRICH
N. W. Touchette, Res. 3

TO :

J. R. Darby
Res. 1

Joe, has anyone studied the light stability of such biocides as DDT and 24D and determined their photodecomposition products? The thought occurs to me that these compounds on photolysis might produce free chlorophenyl radicals which if close to another chlorophenyl would produce a chlorinated biphenyl similar to Aroclor. This mechanism might account for the widespread occurrence of "Aroclors" in soil and sea from pole to pole.

If there has been no study of this type, we could do the UV exposures here if Bob Keller could see to the analysis.

Kern Sears

Kern Sears

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