Monsanto

FROM (LOCATION) Anniston, Ala.

DATE : May 10, 1967

SUBJECT : ACETONE INSOLUBLES IN AROCLOR 5460

REFERENCE :

TO : V. R. Haupt

CC: L. C. Fuhrmeister
G. W. Miller
J. G. Bryant

The laboratory ran a few quick checks to gain additional information about the acetone insolubles in Aroclor 5460. Samples of two low soluble 5460 lots were dissolved in acetone, then filtered to collect the insoluble material. The solids were then washed with acetone to remove the residual 5460. Total chlorine and melting points of the material were determined, and listed below is the data obtained. Typical values for Aroclors 1268 and 1270 are given for comparison.

	% Chlorine	Melting Point
Aroclor 5460 (Lot AI-67)	70.3	295°C
Aroclor 5460 (Lot AI-68)	68.6	270°C
Aroclor 1268	67 - 68	150 - 170*
Aroclor 1270	71	300 - 305°C

*Hold point

The above data strongly supports the present believe that the acetone insoluble material is highly chlorinated biphenyl.

John Liddle

/dp

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