

PROGRESS REPORT **ORGANIC CHEMICALS DIVISION** **St. Louis Research Department**

Job No. 117-2681
 Report No. (8)

Reported By: R. H. Munch

Date August 31, 1954

O. E. Kinast

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<u>At St. Louis</u>	<u>At St. Louis</u>	<u>At W.G.K. Plant</u>	35- A.M. Ellenburg - Res. 3
1 Library	13 R.O. Nellums	25-29-	36- G.R. Buchanan - KKOK
1a Library	14 O.J. Weinkauff	30 Development	37-
2 D.M. Campbell	15 J.R. Wilson	<u>At J.F.Q. Plant</u>	38-
3 H.W. Faust	16 F.B. Zienty		39- FILE NO. 246-640.1
4 L.L. Fellinger	17 O. DeGarmo	31-	40- TECHNICAL SERVICES
5 H.R. Gamrath	18 J.F.Q. Development		41-
6 R.M. Hitchens	19 J.R. Durland	<u>At Nitro</u>	42- CHEMICAL ENGINEERING
7 C.A. Hochwalt	20 R. M. Morris	32-W.P. Metzner	43- PRESENT ☒
8 R.E. Howard	21 J. H. Lum		44- DESTROY AFTER MONTHS
9 D. S. Weddell	22 P.G. Marsh	<u>At Dayton</u>	45- SEE ALSO
10 R.H. Munch	23 J. L. Hammer	33 L. Lederman	47-
11 F.M. Murdock	24 B.E. Thomas	34 N.N.T. Samaras	48-
12 H.K. Nason			49-

Title: ASSISTANCE TO SALES AND DEVELOPMENT DEPARTMENTS ON AROCLOR AND BIPHENYL DERIVATIVES

Problem: Infrared Analysis of a Contaminated Aroclor 1254.

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Summary: A customer complained that a sample of Aroclor 1254 had an unusually low flash point. A check-up indicated that the product may have been contaminated with diphenyl. A sample was submitted for infrared analysis. A spectrum of this sample was obtained and compared to the spectrum of a good sample. Two strong bands in the fourteen micron region indicated diphenyl contamination in the order of several percent. The other minor variations were attributed to the normal variance in isomer content of the Aroclor.

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