Monsanto

FROM (NAME & LOCATION) N. W. Touchette - St. Louis Organic Research

DATE March 16, 1970

cc: J. R. Darby Res. 1
M. W. Farrar Res. 1
W. F. Waychoff WWAYC

SUBJECT SONNEBORN/POLYSULFIDES

REFERENCE Your memo to NWT, 3/5/70

TO : Cumming Paton
CPATO

The questions raised following your meeting with Herb Rosenblatt of Sonneborn can be answered thusly.

1. Aroclor 1248/1254

His explanation of the reason for the weight loss at 70-85° C vs 100° C does not sound real good. Even if true, use of this for degradation of PCB sounds impractical.

2. Santicizer 140

"He claimed that Santicizer 140 and lead peroxide in a C-5 catalyst formulation "smokes" spontaneously. I have been preaching the virtues of Santicizer 148 recently. Will I be responsible for blowing up our friendly formulators?"

In working with lead peroxide and either S-148 or TCP, we did not note this behavior. However, these were small lab batches. In-plant performance could be different. Secondly, lead peroxide is an oxidizing agent for phenols. Would suggest obtaining a sample of the "bad" lot of S-140 from Sonneborn for a check here. Next, if this is something they plan to continue to use, we should run a DTA to help to clear up the questions. Please advise.

N. W. Touchette

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