January 13, 1965

Mr. George P. Bittner
Inland Steel Company
East Chicago, Indiana

Dear George:

Thanks for your letter of January 8 requesting information on our Aroclors. Aroclor 1232 is biphenyl chlorinated to the extent of 32%. Aroclor 1242 is biphenyl chlorinated to 42%. I have enclosed a reprint of a publication showing the results of chronic toxicity studies with Aroclor 1242 and Aroclor 1254 (54% chlorination). I believe this will answer your questions about the potential toxicity of the vapors of Aroclor 1242 itself. We have not obtained chronic inhalation data for Aroclor 1232. I would predict that, if anything, 1232 would be less toxic than 1242. This thought is based on the fact that the 48% chlorinated material (Aroclor 1248) appears to be the most toxic of the series based on acute toxicity data and subacute dermal application.

We have not exposed animals to the decomposition products of either 1232 or 1242. There is enclosed a summary of some data and our interpretation thereof concerning Aroclor 1248 when decomposed at temperatures approximating molten metal. I believe the conclusions on page 2 of this enclosure would be appropriate for 1232 or 1242.

If you have any additional questions, please let me know and please give my best regards to Bill.

Sincerely,

Elmer P. Wheeler, Manager
Environmental Health
Medical Department

EPW:mjb

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