Hope that original was stamped "Confidential" — on the face of it as well as the P.S. E

May 11, 1960

Mr. F. Freeland Chew, Jr.
Liberty Mutual Inaurance Company
1 South Wacker Drive
Chicago 6, Illinois

Dear Freeland:

At the recent Industrial Health Conference you asked me about Pydraul A-200. This product contains mostly an equal mixture of Aroclor 1242 and 1248. The product contains small amounts of other materials, but they will not influence the toxicity greatly. If this product is heated to decomposition, the usual decomposition products of a chlorinated hydrocarbon will be present. This material is very irritating and is toxic if workers are trapped and cannot escape. If the product is heated to a high temperature below decomposition, the vapors of Aroclor will evolve which are in themselves toxic.

We advise our customers that where there is a possibility of vapor exposure they should install proper exhaust ventilation.

Aroclor 1242 has a MAC of 1 mg. per cubic meter and Aroclor 1254 has a MAC of 0.5 mg. per cubic meter. Aroclor 1248, of course, falls midway between these two materials.

As you probably know, the Aroclor numbering system indicates the per cent chlorine by weight in the last two numbers of the four digit name For example, Aroclor 1242 would be biphenyl chlorinated to 42% chlorine by weight.

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I have enclosed a copy of some work done by Dr. Joe Treon when he was in Kettering. This article concerns the toxicity of vapors of Aroclor 1242 and 1254.

If we can be of further help, let us know.

Sincerely,

Jack T. Garrett
Industrial Hygienist
Medical Department

JTG:pjk
Enclosure

PS The composition information contained in this letter must be held confidential.

JTG

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