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Saint Louis 66, Missouri

W. F. Waychoff-St. Louis  
W. W. Zappenfeld-N.Y.

February 8, 1960

Allied Chemical & Dye Corporation  
AROCIOR 1254

Mr. Jack Bonaveglia  
New York

I would tell Allied Chemical the following:

"Aroclor 1254 is chlorinated diphenyl. It is capable of causing systemic injury by the inhalation of fumes, especially at elevated temperatures or by absorption through the skin following repeated or continuous contact. There is no question but that if the material is heated the vapors must be exhausted without allowing the employees to breathe them.

"The symptoms after exposure consist of headache, nausea and, after more severe exposure, signs of liver damage occur. This is evidenced by enlarged liver and jaundice. While we have not encountered any fatalities, there is no question but this could occur should the exposure be massive or prolonged. The method of detection is by breaking it down to the chlorine radical and analyzing for that. I presume reference is to detection in the air rather than detection in people. The concentration of Aroclor 1254 in the air should be kept below 0.5 milligrams per cubic meter."

Why don't you have Allied Chemical's medical or industrial hygiene personnel write us directly?

R. Emmet Kelly, M. D.

/ph

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