October 10, 1969

Mr. Don McBournie
Polymer Products Business Section
General Electric Company
Moryl Avenue
Selkirk, New York 12158

Dear Mr. McBournie:

Our Boston office has asked me to forward comments concerning the toxicity and safe handling of our product, ~~Aroclor 1268~~.

As you probably know, this material is a white to off-white powder with a softening point between 150 and 170°C. The distillation range is 435 to 450°C.

These data indicate that under only the most extreme conditions of temperature should there be significant volatization which could present any hazard from the inhalation of vapors.

We do not have chronic animal toxicity data on this particular Aroclor. Range finding or acute studies indicate that the oral lethal dose in rats is approximately 10 grams (10,900 milligrams) per kilogram of body weight. When applied to the skin of rabbits as a 10% solution in corn oil, the animals survived the highest dose of 2,510 mg/kg administered. These doses lead us to the conclusion that Aroclor 1268 is not particularly toxic from the standpoint of accidental ingestion or massive skin exposure.

In connection with the vapor inhalation mentioned earlier, we do not have chronic animal data for this particular Aroclor. Based on studies on other members of this series of compounds, we would suggest that a Threshold Limit Value for eight hour daily inhalation would be between 0.5 and 1.0 milligram per cubic meter of air. Due to the physical

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characteristics of this compound, we feel it would require quite extreme handling or usage conditions to reach this concentration in the atmosphere. Good industrial practice, however, would dictate that in applications where this type of compound was being heated, mechanical exhaust ventilation should be provided.

I have taken the liberty of sending a copy of this letter to Mr. John J. Perry of your company in Schenectady. "Jack" is, I believe, my counterpart with your company and is a personal friend of long standing.

Very truly yours,

Elmer P. Wheeler
Manager, Environmental Health

EPW:ju

c.c. John J. Perry

b.c. John H. Gannon

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