October 3, 1969

Dr. A. R. Glasgow
Chief of Reference Standards Section
Residue Chemistry Branch
Division of Pesticides
Food and Drug Administration
Washington, D. C. 20204

Dear Dr. Glasgow:

One pound samples of our Arcolors 1254 and 1260 are being forwarded to you and to Mr. Vincent Sedlak at the Atlanta Toxicological Branch today.

Perhaps it will be of interest to mention that in 1962 one of our consulting laboratories determined the oral LD50 in rats of Arcolor 1254 to be greater than 10 grams per kilogram when administered undiluted using four groups of mixed sex animals weighing between 200-250 grams and administered at doses of 7.94, 10.0, 12.6, and 15.8 respectively for the individual groups. The oral LD50 was calculated as 11.9 g/kg with limits of 10.47 to 13.45 g/kg.

In the case of Arcolor 1260, a 50% solution in corn oil developed data leading to a calculated LD50 of 10.0 g/kg with lower and upper limits of 8.6 and 11.6 g/kg.

I have enclosed summaries of recent data we have received from Industrial Bio-Test Laboratories in Chicago. The summaries indicate the 90-day interim results of two year chronic feeding studies to dogs of Arcolor 1254 and 1260.

A second enclosure is the summary showing the status of three generation rat reproduction studies on these materials begun in May.

We also have underway two year oral studies in rats. We added 300 extra animals to this study to allow sacrifice of some animals at three months, six months and one year.

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A verbal report on the 90 day sacrifices indicates that there were no measureble effects as indicated by the usual parameters. A written interim report will be received when the micro pathology has been completed.

I have taken the liberty of sending a copy of this letter to you to Mr. Sedlak in the Atlanta Branch.

We will be interested in learning of the results of your proposed toxicological testing.

Sincerely,

Elmer P. Wheeler
Manager, Environmental Health

EPW:ju

c.c. Jack D. Early
Vincent Sedlak
b.c. R. E. Keller
W. R. Richard