October 15, 1970

Mr. Don Sarbach
Manager of Development
B. F. Goodrigh Chemical Company
3130 Euclid Avenue
Cleveland, Ohio

Dear Mr. Sarbach:

Our Mr. Willis S. Clark has requested that I ~~send~~ you the acute toxicity data that we have for our Aroclors 1221, 1242, 5460 and 6682.

These data are as follows:

Aroclor 1221

Acute Oral LD_{50} - Rats - Mixed Sex - Undiluted. 3980 mg/kg. Classed as slightly toxic.

Acute Skin Absorption Minimal Lethal Dose - Rabbit - female - Undiluted. 2000 3160 mg/kg. Classed as slightly toxic.

20 Day Subacute Dermal - Rabbit - Corn Oil Solution (12.5% w/v) LD_{50} - 250 mg/kg/day.

Aroclor 1242

Acute Oral LD_{50} - Rats - Mixed Sex - Undiluted. 8650 mg/kg. Classed practically non-toxic.

Acute Skin Absorption Minimal Lethal Dose - Rabbits - Female - Undiluted. 794 1260 mg/kg. Classed as moderately toxic.

20 Day Subacute Dermal - Rabbit - 4% (w/v) corn oil solution.
50 mg/kg/day - no effect
75 mg/kg/day - slight adverse effect
100 mg/kg/day - moderate adverse effect
No adverse hematologic effect nor any effect exhibited from urine analyses. No gross or histopathologic effect attributed to absorption of test material.

DSW 552923

STLCOPCB4091340

Aroclor 5460

Acute Oral LD_{50} - Rat - Mixed sex - 33.3% solution in corn oil. 19,000 mg/kg. Classed practically non-toxic.

Acute Skin Absorption Minimal Lethal Dose - Rabbit - female - 33.3% solution in corn oil. 7940 mg/kg. Classed as practically non-toxic.

20 Day Subacute Dermal - Rabbit - 50% (w/v) corn oil solution.
LD_{50} - 250 mg/kg/day
100 mg/kg/day - no effect

21 Day Chick Edema -
Doses of 50,200, and 400 ppm-no significant increase of pericardial edema.

90 Day Subacute Oral Toxicity - Rat - admixed in feed.
100 and 300 ppm - no effect.
1000 ppm - Slight growth depression.

Chicken Toxicity - White Leghorn - admixed in feed.
500 ppm - no effect on mortality.
1000 and 20000ppm compound related effect on mortality.
500 ppm - Slight effect on hatchability.
1000 and 2000 ppm - Hatchability severely depressed.

Aroclor 6062

Acute Oral LD_{50} - Rat - mixed sex - Undiluted. 8050 mg/kg. Classed as practically non-toxic.

Acute Skin Absorption Minimal Lethal Dose - Rabbits - mixed sex - Undiluted. 7940 mg/kg. Classed as practically non-toxic.

Skin Irritation - Rabbit - mixed sex - clipped intact skin - Undiluted. Classed as slight irritant. Ave. Max. Score 1.3/8.

Eye Irritation - Rabbit - Undiluted. Classed as slight irritant. Ave. max. score 11.3/110.

I trust that this is the information you seek.

Sincerely yours,

William H. Hunt, Ph.D.
Toxicologist, Medical Department

WHH/et

cc: Willis S. Clark - GO

DSW 552924