January 15, 1970

STATUS OF AROCLOR STUDIES AT INDUSTRIAL BIO-TEST

Aroclor 1242

2 year rat at 1, 10 and 100 ppm:

At 90 days--possible liver enlargement. Males at 100 ppm. Histology O.K. Others O.K. Blood, urine.

2 year dog at 1, 10 and 100 ppm:

At 6 months--O.K. body weight, food consumption, reactions, mortality, hematology, blood chemistry and urine.

3 generation rat reproduction at 1, 10 and 100 ppm:

100 ppm--effect on survival--difficult to obtain pups for maturing and mating, egg production.

Chickens--egg production, hatchability, survival, etc. at 1, 10 and 100 ppm:

10 and 100 ppm levels effect hatchability. 1 ppm O.K.

Aroclor 1254

2 year rat at 1, 10 and 100 ppm:

At 90 days possible liver enlargement in males at 100 ppm. Histology O.K. Other levels O.K.

2 year dog at 1, 10 and 100 ppm:

At six months body weight effected at 100 ppm. Possibly less food consumption? Other levels O.K. Same parameters as 1242.

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Aroclor 1254 (Continued)

3 generation rat study at 1, 10 and 100 ppm:

100 ppm--effect on survival same as 1242.

Chicken--egg production, hatchability, survival, etc. at 1, 10 and 100 ppm:

10 ppm O.K. but 100 effects hatchability.

Aroclor 1260

2 year rat at 1, 10 and 100 ppm:

At 90 days--possible liver enlargement in males and females at 100 ppm. Other levels O.K.

2 year dogs at 1, 10 and 100 ppm:

At six months, body weight effect at 100 ppm, possibly at 10 ppm. One male and one female died--refused to eat. No other obvious reason for fatalities by gross examination.

3 generation rat study at 1, 10 and 100 ppm:

No adverse effects.

Chicken--egg production, hatchability, survival, etc. at 1, 10 and 100 ppm:

No effect.

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	1242	1254	1260
2-year rat chronic			
At 1, 10, 100 ppm Status 90 days	100 ppm Liver enl. Males 10 ppm O.K.	100 ppm Liver enl. Males 10 ppm O.K.	100 ppm Liver enl. M & F 10 ppm O.K.
2-year dog chronic			
Status--6 months	100 ppm O.K.	100 ppm Body wt. dec. 10 ppm O.K.	100 ppm 1M-1F died refused food-- no other gross abn. 10 ppm Possible body wt. effect
3 generation rat reproduction	100 ppm affects survival 10 ppm O.K.	100 ppm affects survival 10 ppm O.K.	100 ppm O.K.
Chicken--Egg Production, Hatchability, Survival, etc.	10 ppm affects hatch. 1 ppm O.K.	100 ppm affects hatch. 10 ppm O.K.	100 ppm O.K.

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