Elmer P. Wheeler, Medical Department

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Toxicity of Brominated Aroclor 1221, Brominated Biphenyl, and Fluorinated Aroclor 1254

R. W. Weiss
RWEIS

C+25 A/11

Enclosed is a table summarizing the data from Younger Laboratories on the toxicity on the subject compounds. As I told you on the telephone, the brominated Aroclor 1221 appears to be less toxic orally to rats and more toxic by skin absorption to rabbits than straight Aroclor 1221.

The brominated biphenyl is more like Aroclor 1221, although again somewhat more toxic by skin absorption.

The fluorinated Aroclor 1254 is considerably more toxic than straight Aroclor 1254 both orally and by skin absorption. In the case of the latter, the lethal dose is such that one would have to class fluorinated Aroclor 1254 as a class B poison.

Elmer P. Wheeler

EPW:ju

Enclosures

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	(1) Aroclor 1221	(2) Brominated 1221	(2) Brominated Biphenyl	(1a) Aroclor 1242	(2) Fluorinated 1254	(3) Fluorinated 1254
Oral LD_{50} (mg/kg) Limits	3960 (3300 to 4775)	6250 (5625 to 6940)	6250 (5700 to 6850)	8550 (7610 to 9775)	1120 (1020 to 1220)	1430 (1240 to 1645)
Skin MLD (mg/kg)	>2000 <3160	>794 <1260	>1260 <2000	>794 <1260	>200 <316	>158 <251

(1) Data from 1963
(1a) 1962
(2) Current--attached
(3) January, 1969