

Rept W-31

Date July 22, 1948

To Dr. R. E. Kelly Reference
At St. Louis Subject AROCLOR 1254 -- POLYVINYLCHLORIDE
FREE FILM ORGANOOLS

The following excerpt taken from a memorandum from Mr. Ivan Wilson at Merrimac describes the composition of the free film organosols on which you are running skin patch tests:

"In order that you may evaluate the toxicity of finished coatings containing Aroclors, I am sending you two swatches of free film which are substantially the same, except that one contains Aroclor and the other does not. They are labeled X-245 and X-276. Unfortunately, I have only a small amount of the sample containing the Aroclor. In order that you will know what the vehicular content of these materials are so as to judge your results, I am tabulating them below:

X-245

Vinyl Chloride	53.9%
Aroclor 1254	11.5%
DOP	14.1%
Victor Stabilizer 85	1.0%

The balance of the solids are pigments consisting of titanium dioxide, basic lead sulfate, basic lead carbonate, and antimony oxide. The pigment composition is identical in each case, except that a small amount of tinting color has been added to one.

X-276

Vinyl Chloride	55.4%
DOP	23.8%
Victor Stabilizer 85	1.3%

Balance pigment as described above.

We would like to point out that we have used what we consider about the maximum amount of Aroclor with respect to vinyl chloride that can be used without having actual sweating.

Parenthetically it is our understanding that Victor Stabilizer 85 is basic lead carbonate.

P. A. B.
Benignus

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