

CONFERENCE ON PHENYL MERCURY OLEATE IN PAINTS - 2-20-56

Barnes, Williams, Zapp, and Hood present

F&F has authorized the project for the determination of the mercury hazard in paints. Following work should be done:

ORAL

Phenyl mercury oleate as a .2% solution in linseed oil.
Run controls on the linseed oil.

SKIN ABSORPTION

Decide on 1 to 2 cc for 5 and 10 treatments, two rabbits in each group. First run a pilot test for the two types of paint and try it at 2 cc. Save animals for JB. Plan work with JB so that it can be staggered according to the work load of both Chemistry and Toxicology.

HUMAN PATCH TEST

Problem - Do we want to run the risk of sensitizing subjects by running the ordinary patch test? I am against this. I would suggest that first I try a patch of the dry material for 24 hours. Since I am allergic to Merthiolate, it would be wise to see whether this can be brought out by the paint. If this is satisfactory, it might be worth trying a 24-hour test on approximately 20 subjects.

DBH/rlm

11-23-56