

DATE July 16, 1979JGA
FAB
JRG
DNH
INFOTO: E. E. SWAIN, JR.
FABRICS & FINISHES DEPARTMENT
B-5254

MEDICAL RESEARCH PROJECT MR-3540 PART I

TITLE: LEAD NAPHTHANATE AND LEAD TALLATE IN PAINT, SKIN ABSORPTION
AND BLOOD LEAD LEVELS

Authority is requested to undertake the investigation identified above and described as follows:

Determine amount of lead absorbed (via skin) from paint containing 1.2% or 6.0% lead naphthanate or 1.2% lead tallate.

1. Rabbits - 10 per group
2. Group A - controls, B-1.2% lead naphthanate in paint, C-6.0% lead naphthanate in paint, D-1.2% lead tallate in paint.
3. Treat rabbits once/day, 5 days/week for 2 weeks. Use 1 ml paint per treatment. Do not wash off.
4. Blood samples - day 0, day 5, day 10, and day 15. A preliminary study is required to determine whether anode stripping voltametry can be used instead of the dithizone method to measure blood lead concentrations.
5. Blood analysis - Chambers Works.

Amount requested \$8,000Work to be started ASAP

Previously authorized _____

Request for study made by _____

Expended to date _____

E. E. Swain and N. D. Krivanek

Account to be charged _____

7-12-797351-134 - 14

If this request meets with your approval, please enter the account to be charged, have two copies authorized and return them to Haskell Laboratory, Control Section. The additional copies may be retained for your information and distribution.

Proposed by N. D. Krivanek
N. D. Krivanek - Consultant
Industrial HygieneApproved by R. J. Geisen
R. J. Geisen - Chief
Industrial Hygiene

NDK/daw

Authorized [Signature]
Date _____