

*Cancelled
3/81*

MR-4088

N36828

CENTRAL RESEARCH & DEVELOPMENT DEPARTMENT
HASKELL LABORATORY FOR TOXICOLOGY AND INDUSTRIAL MEDICINE

DATE FEBRUARY 12, 1981

etc
LD
INFO
AMIL
PWS

TO: M. W. OTT
CHEMICALS & PIGMENTS DEPARTMENT
CHESTNUT RUN

MEDICAL RESEARCH PROJECT MR- 4088 PART I

TITLE: SKIN IRRITATION AND SENSITIZATION TESTING OF KROLOR® PIGMENTS

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

- | | | |
|--|---|--|
| 1. Skin Irritation Test - Rabbits | } | Krolor® Pigment |
| 2. Primary Irritation & Sensitization Test - Guinea Pigs | | |
| 3. Skin Irritation Test - Rabbits | | Encapsulated Pigment
(20% silicate coating) |

3/19/81

*Project will not
be approved per W.H. Darnell.*

Amount requested <u>\$3,800</u>	Work to be started <u>upon authorization</u>
Previously authorized <u>-0-</u>	Request for study made by <u>MWO to</u>
Expended to date <u>-0-</u>	<u>G. L. Kennedy, Letter 1/22/81</u>
ACCOUNT TO BE CHARGED _____	CLASSIFIED: R&D ☐ OTHER ☐
	(check appropriate classification)

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

Proposed by *O. Louis Dashiell*
O. Louis Dashiell
G. L. Kennedy

Approved by *W. H. Darnell*

Authorized _____ (date)

N36828.01

DUP050308380



E. I. DU PONT DE NEMOURS & COMPANY
INCORPORATED
WILMINGTON, DELAWARE 19898

CHEMICALS AND PIGMENTS DEPARTMENT
CHESTNUT RUN

MR - ~~7447~~
4088

cc: JMOathout-Tex.Fib.-Old Hickory
JFHaywood-Tex.Fib.-Old Hickory
HJTrochimowicz-CR&D-Haskell Lab
DWHoppenjans-C&P-B-6237
RARepetto-C&P-B-6237
HWLing/EWStewart
JCWatts
MWott
File

January 22, 1981

G. L. KENNEDY
CR&D - HASKELL LABORATORY

TEXTILE FIBERS TYPAR® CARPET BACKING

Textile Fibers is using TYPAR® spunbonded polypropylene for carpet backing and plans to introduce a brown colored TYPAR® in the future. The colorant would be a cadmium based pigment which Textile Fibers purchase as a 50% pigment concentrate in polypropylene resin.

At Textile Fibers' request, C&P developed an alternate colorant that could be used. The pigment content of the colorant consists of:

KROLOR® Yellow KY-787	65%
KROLOR® Orange KO-789	30%
Carbon Black	5%

KROLOR® pigments are lead chromate or lead chromate/molybdate pigments which have a surface coating (encapsulation) of silicate which is about 20% of the total pigment weight. The pigments would be purchased by Textile Fibers as a concentrate in polypropylene resin. In this form, it is highly unlikely any airborne exposure to lead chromate would occur. In the final product, the pigment would be present at a level under 0.2% encased in the polypropylene fiber.

Textile Fibers is interested in this colorant because of large potential cost savings but is concerned about the testing that would be necessary to qualify this material.

Since you have previous experience with lead chromate pigments and are aware of their hazards, I request that you look at the implications of replacing cadmium pigments with lead chromate pigments in TYPAR® and what type of tests Haskell would recommend for lead chromate pigments. Skin sensitization tests were suggested for cadmium pigments.

Any guidance you can give on this matter will help in determining how to proceed with this program. You can contact me at 999-2711 if additional details are needed.

MW Ott
M. W. OTT

/ilc

Check out heavy metal data on sh-162 PHS etc.

N36828.02

DUP050308381