



E. I. DU PONT DE NEMOURS & COMPANY

INCORPORATED

CC: Dorothy Hood, Haskell Lab., Newark, Del.

PIGMENTS DEPARTMENT

I.J. Krichma, Wilmington
 J.B. Sutton, "
 H.C. Ballard, "
 W.S. Struve/A. Siegel, Newark
 J.H. Cooper, Newark
 P.D. Graham, Wilms.
 NEWARK, NEW JERSEY
 DECEMBER 19, 1961

COMPANY CONFIDENTIAL

J. W. CLAYTON, JR.
 HASKELL LABORATORY
 NEWARK, DELAWARE

TOXICITY OF COATED MICA FLAKESRE: Telephone conversation B.H. Perkins - J.W. Clayton, Jr. 12/18/61

Confirming our telephone conversation of 12/18/61, we are sending to Miss Hood two pigment samples for dust inhalation toxicity tests:

- (1) TiO_2 - YCR contains 1% Sb_2O_3 and 1% Al_2O_3
- (2) TiO_2 - LOCR contains no Sb_2O_3 . 1% Al_2O_3

The tests on these TiO_2 pigments are prompted by the toxicity indications observed by Haskell Laboratory for TiO_2 coated mica flakes which contain antimony or chromium (samples NF-103-D, lot 12916, 0.4% Sb_2O_3 and NF-105-D, lot 12939, 1.3% Cr_2O_3). Samples YCR and LOCR have been sold for years without reported toxicity. Results with them may provide a reference point for evaluating the toxicity hazard to humans of the antimony-containing TiO_2 /Mica Pigments.

It was also agreed that you will proceed with a literature search for relevant toxicity data. / **

Prompt evaluation of the samples will be greatly appreciated. The data are urgently needed for decision on continuation of manufacture and sale of treated coated mica flakes.

I assume you will submit a project to cover the cost of this work. *

* not to begin until post-Ton eval. of #2918 2979 or before project starts exp.

12/21/61
 JPH

B. H. PERKINS
 RESEARCH DIVISION

** JPH
 BHP:hmo

1. The following information was obtained from the file:

On 12/20/81, the following information was obtained from the file:

1. The following information was obtained from the file:

1. The following information was obtained from the file:

1. The following information was obtained from the file:

1. The following information was obtained from the file:

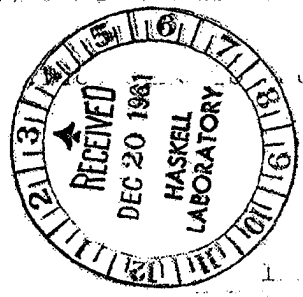
1. The following information was obtained from the file:

1. The following information was obtained from the file:

1. The following information was obtained from the file:

1. The following information was obtained from the file:

1. The following information was obtained from the file:



NOTED & VERIFIED