



E. I. DU PONT DE NEMOURS & COMPANY
INCORPORATED

PIGMENTS DEPARTMENT

E. F. Klenke,
J. N. Tully/A. Siegel, Newark

NEWARK, NEW JERSEY
JUNE 18, 1954

J. W. MINNICH
NEWPORT

PHTHALOCYANINE RESEARCH REPORTS

Ref: Your letter of June 11, 1954

Your request that we assist you in the procurement of a complete file of all KN Reports on Phthalocyanine Research has been considered by the Chemical Division. We are prepared to meet this request with the exception that we will not release reports on current A-II and A-III Research, but copies of these will be supplied if and when this work reaches the stage of plant development. Also, we are making a search in the case of highly speculative studies which were carried out in the past (for example, evaluation of competitive patents) and which lead to nothing of practical interest.

In line with this policy, we are agreeable to having Mr. Klenke transfer to your files all of the reports listed in the reference letter, with the exception of KN-46-53 and KN-53-37. The former does not deal with phthalocyanines and the latter involves competitive patent evaluation. We request Mr. Klenke to return both of these to Newark.

We have reviewed the complete list of Phthalocyanine Reports related to products made or intended to be made at Newport. Some of the following may be of interest to you and we are prepared to supply copies if you feel you would like to have them. These may be grouped as follows:

Patent Survey

- KN-46-54: General Patent Survey -Phthalocyanine Pigments - A.J. Stratton
- KN-53-24: General Patent Survey -Phthalocyanine Pigments - A.J. Stratton

Analytical Studies

- KN-47-34: Detection of Iron Phthalocyanine in CPC - A. H. Oberle
- KN-53-23: Effect of Chlorine in CPC on Spectrophotometric Curve of Sulfuric Acid Solutions - C. W. Manger



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Physical Studies

- KN-48-3: Particle Size and Dimorphism - B. H. Perkins
- KN-50-15: Spectrophotometric Method for Numerical Designation of Flocculation - A. R. Hanke
- KN-50-16: Crystal Growth of Phthalocyanines - A. R. Hanke
- KN-50-18: Flocculation Studies by the Spectrophotometer - A. R. Hanke
- KN-52-3: Crystal Growth and Flocculation in Paint Systems - A. R. Hanke
- KN-51-32: Blue BG - Particle Size Distribution - A. R. Hanke
- KN-52-1: Blue LB - Particle Size Distribution - A. R. Hanke

Process Studies

- KN-47-5: Chlorine-Free CPC Synthesis - B. H. Perkins
- KN-47-51: Blue LB - Process Studies - F. F. Ehrich
- KN-49-37: Hypochlorite Treatment of CPC Green - F. F. Ehrich
- KN-51-42: Phthalocyanine Plant Assistance - January, 1950 -
July 1, 1951 - P. D. Graham
- KN-54-12: "EF" Process - E. F. Klenke

We have not included any Phthalocyanine Reports related to work done on products of Orchem manufacture, nor have we listed reports dealing with the development of special laking procedures used at Newark. Reports in the former category are now largely of historical interest; but the latter group may be useful to you if and when Newport should undertake the finishing of CPC's.

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J. H. Cooper
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CHEMICAL DIVISION