

**BIBLIOGRAPHICAL
ABSTRACTS ON EVALUATION OF
BRIGHTENING AGENTS FOR
DETERGENT USAGE**

1929 - 1961



Special Technical Publication No. 177-A

Published by the
AMERICAN SOCIETY FOR TESTING AND MATERIALS
1916 Race Street, Philadelphia 3, Pa.

1964
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Prepared by
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Reg. U. S. Pat. Off.

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Price \$1.50, to members \$1.00

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Library of Congress Catalog Card Number: 64-22582

Printed in Alpha N. J., U.S.A.
April, 1964

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BIBLIOGRAPHICAL ABSTRACTS
ON EVALUATION OF BRIGHTENING
AGENTS FOR DETERGENT USAGE
1929 — 1961

Prepared by Lloyd E. Weeks¹,
Julian L. Staubly², and
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FOREWORD

Brightening agents are essentially colorless dyes which when applied on textiles, absorb ultraviolet irradiation and emit light of a bluish hue complementary to the yellow tint already present on the off-white substrate. In this manner the brightening agents impart a greater apparent whiteness to the materials treated.

Although brighteners were originally applied to paper — and continue to be — they were incorporated in detergent compositions about 1945. At present the growth of this application has expanded to the point where brightening agents are available for most types of fiber and detergent compositions. The literature on brightener evaluation methods has grown to a point where a bibliography of the published methods should prove useful to the persons engaged in the manufacture, analysis, development, and evaluations of brighteners in detergents. Accordingly, this bibliography has been prepared by Mr. Weeks et al of Subcommittee T-5 on Physical Testing of Committee D-12 on Soaps and Other Detergents. Some of the abstracts pertain to the evaluation of brighteners on paper.

The style of this bibliography follows closely that of "Metal Cleaning Bibliographical Abstracts"³. The references, which are numbered consecutively, are listed by year and then by author or by the journal in which the article appeared if anonymous.

Some of the abstracts are based on the original article; others are re-abstracts from "Chemical Abstracts."

It is hoped to keep these abstracts current. Interested readers are therefore urged to advise the authors of any corrections or additions to be made.

¹Monsanto Chemical Co., Dayton, Ohio.

²Pennsalt Chemicals Corp., Philadelphia., Pa.

³Issued as separate publications ASTM STP Nos. 90, 90-A, 90-B, and 90-C.

