

Ceramic Raw Materials

D.J. De Renzo

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CERAMIC RAW MATERIALS

Edited by

D.J. De Renzo



NOYES DATA CORPORATION
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FOREWORD

The ceramics industry is broadly based, encompassing all types of glass, whitewares such as porcelain and pottery, structural clay materials, refractories, abrasives, etc. Increasing use of advanced ceramic materials in the automotive and aerospace industries, as well as in such diverse areas as electronics and medical devices, will push the demand for raw materials far beyond that associated with the traditional ceramics industry.

Prepared directly from manufacturers' data sheets and tables at no cost to, nor influence from, the contributing companies, this handbook provides chemical and physical properties data for more than 1,000 products supplied by the 181 ceramic raw material suppliers in the U.S. and Canada who responded to requests for information. The products are divided into 116 categories according to the product designation used by the supplier.

Part I is an alphabetical listing of 99 raw materials and comprises the major portion of the book. The raw material suppliers are listed alphabetically under each category heading along with their product information. Part II contains category listings of additives, semiprocessed materials, some of which are available as unfinished shapes or substrates, and also materials intended for specific end uses.

In using this book, the reader should be aware of the following: (1) There may be an overlap in some of the categories, so all related listings should be investigated. (2) Some of the suppliers are distributors for imported raw materials and have included product data sheets with foreign spellings and the European use of commas instead of decimals in percentages. (3) The suppliers' data sheets may have been edited because of space restrictions. In general, packaging, storage, and handling information have not been included. It is assumed that the reader will contact the supplier for complete information on a product which is of interest. The technical information provided here is typical but does not indicate any warranty.

The table of contents provides a complete list of all the product tables. A Suppliers' Address Listing and Index is included at the end of the book.

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NOTICE

Some ceramic raw materials could be hazardous, and therefore due caution should always be exercised. To the best of our knowledge the information contained in this publication is accurate; however, the Publisher and the manufacturer assume no responsibility nor liability for the accuracy or completeness of such information. The prospective user should determine the suitability of all materials and suggestions before adopting them on a commercial scale. Final determination of the suitability of any information or product for use contemplated by any user, and the manner of that use, is the sole responsibility of the user. We strongly recommend that users seek and adhere to a manufacturer's or supplier's current instructions for handling each material used.

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