

KENNETH H. BROWN
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PROFESSIONAL SUMMARY

Experienced research and development director with over twenty years managing the efforts of new product development, product cost savings, product maintenance, technical service, technology sourcing, process engineering, quality assurance, hazardous waste, product safety and packaging engineering. Strong communicator of chemical and technical language into commercial or marketing or lay language. Experience in industrial coatings, trade sale and consumer paints, adhesives, chemical specialty products, resins & polymers, and in their development, testing and production. Experience with labels & warnings, material safety data sheets and adherence to Consumer Products Safety Commission requirements. Numerous publications and patents, as well as experience in university level teaching.

EXPERIENCE

CONSULTANT AND EXPERT WITNESS **1999-Present**

ROMAN ADHESIVES, Calumet City, IL **1997-1999**
Vice President, R&D

Chief technical officer, responsible for new product development, product improvements, quality assurance, technical services, process engineering.

PRA LABORATORIES, Eastern Michigan Univ. **1995-1997**
Executive Director

Full profit and loss responsibility and operational management of a consortium of 26 paint/coatings and supplier companies. Provide group and individual product R&D and testing in the areas of industrial coatings, trade sales paints, emulsion polymers, solvent-based resins and analytical chemistry. Staff member at Eastern Michigan University.

- Increased membership from 23 to 26
- Instituted professional project management system and formal pay-for-performance system, using performance standards, position descriptions and performance appraisal system.
- Visited most of the member companies to observe their product lines, their manufacturing facilities and their production processes.

NORTHWESTERN UNIVERSITY, Evanston, IL 1994-1995

Consultant

Private contractor for Northwestern's Basic Industrial Research Laboratory, for PRA Laboratories, and for several small coatings and chemical specialty companies. Consulting and product development services

RUST-OLEUM, Vernon Hills, IL 1976-1994

Technical Director

1985-1994

Provide for new product development needs as well as product maintenance and manufacturing support; provide strategic R&D planning for corporate goals. Direct a team of 20-40 professional chemists, engineers and technicians toward the goals established by the consumer and industrial business groups. Provide for corporate quality assurance and process engineering services, and manage technical service and package engineering functions. Chairman of the Product safety Committee.

- Developed and introduced into production 16 new industrial maintenance and consumer type do-it-yourself products over the period 1990-94, resulting in revenues that were 20% of total sales.
- Designed and directed strategic program to assure that coatings products were compliant with VOC air quality regulations, resulting in product availability at all times.
- Increased sales of industrial maintenance coatings business by \$8 million from 1987-1993 through the development of water-based new products and high solids new products, using state-of-the-art technology.
- Designed and built new R&D center, which houses 30-40 professional chemists
- Reduced cost of products sold by \$3 million during the period 1990-1994, through reformulation and processing changes
- Designed product testing protocol for all new product introductions, resulting in 30% reduction of complaints and recalls over period from 1990-1994.
- Reorganized multiple technical laboratories into single technical department, with 40-50 professional and technical associates, thereby reducing costs by \$ 500,000 annually
- Chaired the Product Safety Committee, and was accountable for all products being safe for use by industrial contractors and household do-it-yourselfers.

Manager, Manufacturing Technical Support

1982-1985

Provided for the management of quality assurance, process engineering, facility engineering and standard product maintenance for over 700 sku's of industrial and consumer paint products. Managed a staff of 20 chemists and technicians and engineers.

Manager, Coatings R&D

1978-1982

Managed specific new product development projects as requested by industrial or consumer business groups. Supervised a staff of five formulation chemists and the analytical laboratory.

Group Leader, Resin Development

1976-1978

Supervised staff of three resin chemists in the synthesis of new and improved resins for in-house use. Designed and built new resin manufacturing facility.

CONTINENTAL CAN COMPANY, Chicago, IL 1971-1976

Senior Research Scientist

Developed and manufactured new polymers which were used for ultraviolet curable inks and coatings. Developed processing techniques for UV-Curable coatings in the metal decorating field. Synthesized additives and polymers for use in formulating interior and exterior can coatings.

EDUCATION

Loyola University, Ph.D. Organic Chemistry, 1970
University of Minnesota, MS Organic Chemistry, 1967
University of Illinois, BS Chemistry, 1965

SPECIALIZED TRAINING/COURSES

Completed courses in Crosby Quality training and a variety of management training courses, such as Executive Effectiveness Training, Focused Interviewing Techniques, Management-by-Objectives, Problem Solving, Finance for the Non-Financial Executive, Root Cause Analysis of Product Failures, and Failure Analysis of Paint & Coatings.

PROFESSIONAL AFFILIATIONS

National Paint and Coatings Association (NPCA)
Federation of Societies of Coatings Technology (FSCT)
American Chemical Society (ACS)
American Society of Testing Materials (ASTM)
American Society of Quality Control (ASQC)
National Association of Corrosion Engineers (NACE)
Society for Protective Coatings (SSPC)
International Aerosol Congress
Spray Paint Committee of NPCA
Adhesives and Sealants Council
Wallpaper Association

ACADEMIC EXPERIENCE

Loyola University, Instructor of Organic Chemistry, 1978-79

Roosevelt University, Assistant Professor of Chemistry, 1976-78
Elmhurst College, Lecturer of Organic Chemistry, 1974-76

PUBLICATIONS

1. R.P. Mariella and K.H. Brown, 2-Cyclopropylpyridine, J. Org. Chem., Vol. 34, No. 10, p. 3191 (1969)
2. K.H. Brown, The Acetylation of Amines, Dissertation Abstracts, Part B, p. 1440-B (1971)
3. R.P. Mariella and K.H. Brown, The Diacetylation of Amines, J. Org. Chem., 36, 735, (1971)
4. R.P. Mariella and K.H. Brown, A Novel SN1 Displacement: The Reaction of Tertiary Amines with Acetic Anhydride, Can. J. Chem., 49, 3348, (1971)
5. R.P. Mariella and K.H. Brown, Concerning the Cleavage of Tertiary Amines with Acetic Anhydride, Can. J. Chem., 51, 2177, (1973)
6. A. Ravve, G. Pasternack, S.B. Radlove and K.H. Brown, The Synthesis of Photocrosslinkable Polymers by the Knoevenagel Reaction, J. Polymer Science, Chemistry Edition, Vol 11, 1733-1752 (1973)
7. K.H. Brown, Sol B. Radlove and A. Ravve, "Photopolymerizable Compositions Prepared from Beta-Hydroxy Esters and Polyitaconates", U.S. Patent 3,804,735 (1974)
8. K.H. Brown, Sol B. Radlove and A. Ravve, "Photopolymerizable Compositions Prepared from Beta-Hydroxy Esters and Polyitaconates", U.S. Patent 3,847,770 (1974)
9. K.H. Brown, Sol B. Radlove and A. Ravve, "Stabilized ethylenically Unsaturated Beta-Hydroxy Esters prepared from Polyepoxide and Acrylic or Methacrylic Acid", U.S. Patent 3,872,162 (1975)
10. A. Ravve, T. Jondahl, G. Pasternack, K.H. Brown, "Photopolymerizable Ethylenically Unsaturated Compounds Photoinitiated with Benzoyl Derivatives of Diphenyl Sulfide and an Organic Amine Compound", U.S. Patent 3,903,322 (1975)
11. K.H. Brown, Cure Rate of UV Curable Systems, Modern Paint and Coatings, September, pp 41-47, (1977)
12. A. Ravve and K.H. Brown, "Studies in the Photopolymerization of Some Beta-Substituted Ethyl Acrylates", J. Macromol. Sci-Chem., A13 (2), pp 285-293 (1979)
13. K.H. Brown and K.M. Wolma, "Method of Producing Silicate Binders and Coatings", U.S. Patent 4,290,811 (1981)

