

GEORGE PASTERNAK, Ph.D.
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M.B. Pasternack & Associates, Inc.
2004 to Present

Title: Vice President

Dr. Pasternack has a Ph.D. in chemistry and offers more than 30 years of extensive R&D, manufacturing, patent law, worldwide government regulations compliance, and management expertise in the chemical industry. He is the author/coauthor of more than 65 publications including patents, journal articles, and presentations at technical conferences. Dr. Pasternack communicates complex chemical technology into easy-to-understand language and offers excellent writing skills. His extensive knowledge of chemical and physical analytical test methods is a critical asset in achieving favorable results in client litigation.

EDUCATIONAL AND INDUSTRIAL EXPERIENCE

DSM Desotech Inc.
Division of DSM NV, a multibillion-dollar worldwide chemical company

Title: Technical Director

- Organized and directed 14-member professional R&D staff
- Commercialized Desotech's first UV curable coating
- Commercialized more than 50 UV curable coating products including inks, adhesives, graphic arts, galvanized steel tubing, SMC, vinyl and wood flooring, automotive head lamps, kitchen cabinets, appliances, composites, optical fibers, DVDs, and CDs
- Established Desotech as the premier world supplier of UV curable coatings for the telecommunications field
- Sales of UV curable coatings reached several hundred million dollars per year
- Directed and carried out Desotech's multimillion-dollar global patent program, including filing patent applications worldwide and worldwide patent enforcement
- Presentations made to corporate officers and technical staff of established clients and potential new customers resulted in new business opportunities
- Directed Desotech's MSDS program and worldwide government regulation compliance program. This includes EPA, OSHA, and corresponding overseas government agencies

Educational and Industrial Experience, Continued

- Directed corporate technical exchange program between Desotech's United States laboratory and European and Japanese partners
- Initiated and implemented strategic planning for R&D as member of Business Strategy Team

Continental Group

Senior Research Chemist, Advisory Scientist

- Commercialized Continental's first UV curable ink for printing on metal containers
- Developed and patented a unique family of storage stabilizers
- Created new product concepts for UV curable coatings

Mellon Institute

Postdoctoral Research Associate

Conducted NMR studies on organophosphorus compounds

Education

City University of New York,

Ph.D., Photochemistry of organometallic compounds

City College of New York

B.Sc., Chemistry

Courses and Seminars

Management, sales, strategic planning, patents, government chemical compliance regulations, and health and safety regulations

Publications and Presentations

Authored and co-authored 65 publications that include presentations at technical conferences, journal articles, and United States and overseas patents. Conferences include American Chemical Society, RadTech National and RadTech International, Rubber Institute, International Wire and Cable, and regional trade association conferences

Selected Publications and Presentations

Reviewed newly published technical journals and selected articles describing innovations for paint, ink, and coating technology. Articles posted on the *SpecialChem website*, 2010 to 2014

George Pasternack, "Test methods for evaluating liquid & cured film properties," *RadTech International North America Inc.*, August 26, 2009

George Pasternack, "Strategies to Overcome the Challenges of UV/EB Curable Coatings," *Specialchem4coating.com*, October 10, 2006

George Pasternack, "Overview and Applications of UV/EB Curable Coatings," Ketek Research Institute, Kokkola, Finland, March 30, 31, 2005

George Pasternack, "Developing UV/EB Curable Coatings for Wood, Automotive and Plastic Applications," *Specialchem4coating.com*, October 13, 2004

George Pasternack, "An Introduction to UV and EB Curable Coating Technology," *RadTech Report*, 2004, Vol. 18, No. 1, p. 20-27

George Pasternack, "Ultraviolet Light (UV) and Electron Beam (EB) Curable Coating Technology," *Conference Proceedings, Coatings 2003*, Indianapolis, Indiana, 27-30 October 2003, p. 450-470

Keizer, H. M., Sijbesma, R. P., Jansen, J. F. G. A., Pasternack, G., Meijer, E.W., "Polymerization-Induced Phase Separation Using Hydrogen-Bonded Supramolecular Polymers," *Macromolecules* 2003, 36, 5602-5606

George Pasternack, "Method for Cleaning/Coating a Substrate With a Composition Comprising Radiation Curable Groups," U.S. 6,093,257 (2000)

Analytical Test Method Competencies

DMA, DSC, TMA, TGA, NMR, UV, VIS, IR, HPLC, GPC, GC

Membership

Member of American Chemical Society, American Coatings Association and RadTech North America