

GEORGE PASTERNAK, Ph.D.
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EDUCATIONAL AND INDUSTRIAL EXPERIENCE

M. B. Pasternack & Associates Inc., 2002 to Present

Title: Vice President

Coating expert specializing in chemicals, paints, inks, coatings, polymers, plastics, failure analysis, laboratory testing, manufacturing, safety, product and process defects.

Provides the following expert witness services for attorneys:

- Review case history
- Site inspection
- Failure analysis
- Evaluate opposing technical expert witness' findings
- Develop, recommend and carry out technical strategies
- Perform analytical tests to support planned strategy
- Provide written reports in convincing easy to understand language
- Attorney deposition
- Court testimony

DSM Desotech Inc. (Division of DSM NV, a multibillion dollar worldwide chemical company), 1976 to 2002

Title: Technical Director

Organized and directed 14-member professional staff in the company's first commercialization of a UV curable coating. Commercialized more than 50 UV curable coating products for diverse industries. Coating, ink and adhesive applications include: graphic arts, galvanized steel tubing, SMC, vinyl and wood flooring, automotive head lamps, kitchen cabinets, appliances, composites, optical fibers, DVD and CD.

Successfully, established DSM as the premier world supplier of UV curable coatings in the telecommunications field.

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 and carried out Desotech's multimillion-dollar global patent program. This included worldwide patent enforcement and filing patent applications worldwide.

Created new business opportunities through personal presentations to corporate officers and technical staff at targeted companies. Sales of UV curable coatings reached several hundred million dollars per year.

Directed corporate technical exchange program between United States laboratory and European and Japanese partners.

Continental Group, 1969 to 1976

Senior Research Chemist, Advisory Scientist

Commercialized Continental's first UV curable ink for printing on metal containers. This success resulted from my developing and patenting a unique family of storage stabilizers, Extensive experience in developing EB curable inks. Created new product concepts for UV curable coatings.

Mellon Institute, 1968 to 1969

Postdoctoral Research Associate

Conducted NMR studies on organophosphorus compounds

Education

City University of New York, 1968

Ph. D., Photochemistry of organometallic compounds

City College of New York, 1959

B.Sc., Chemistry

Courses and Seminars: management, sales, strategic planning, patents, government chemical compliance regulations and health & safety regulations

Publications and Presentations

I have 65 publications which include presentations at technical conferences, journal articles and United States and overseas patents. I was selected to present the Technical and Safety portions of the last five Primer Sessions held at the RadTech National Conferences. Additional conferences include, American Chemical Society, Rubber Institute, International Wire and Cable and smaller trade association conferences.

Recent Publications and Presentations

Review current technical journals to select articles describing new innovations for paint, ink and coating technology and post selected articles on the following website: www.specialchem4coatings.com/resources/rdhighlights.aspx

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