

GEORGE PASTERNACK, Ph.D.
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M. B. Pasternack & Associates Inc., 2002 to Present
Title: Vice President

Provide 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, easily understood language
- Attorney deposition
- Court testimony

Areas of expertise

Chemicals, paints, inks, coatings, polymers, plastics, failure analysis, laboratory testing, manufacturing, accidents, product defects

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 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

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

Continental Group

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

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 & safety regulations

Publications and Presentations

I have 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

Recent Publications and Presentations

Reviewed newly published technical journals and selected articles describing new 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