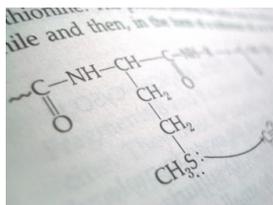


***We provide assistance with:***

- Chemical Research & Development
- Chemical Synthesis & Purification
- Chemical Analysis
- Product Formulation
- Process Optimization & Cost Savings
- Research Proposals
- Staff Tutorials
- Laboratory Management
- Statistical Data Analysis
- Suppliers & Market Research
- Industrial Chemicals
- Chemical Engineering
- Physical Properties of Materials
- Polymer Formulation & Properties
- Metals & Metal Oxides
- Magnetic & Electrical Properties
- Crystal Structure, x-ray Diffraction
- Spectroscopy: IR, Laser, NMR, electron
- Chromatography and Separations
- Semiconductor Processing/Cleaning
- Agriculture & Food Processing
- Chemical Hygiene & Safety
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- Green Chemistry & Reprocessing
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***Are your molecules misbehaving?  
We help you understand your chemistry!***

- Research • Analysis • Recommendations •



Joseph E. Sabol, Ph.D.  
Chemical Consultant  
P. O. Box 85198  
Racine WI 53408 USA  
tel: +1 262 498 8005  
<https://chem-consult.com>  
[inbox@chem-consult.com](mailto:inbox@chem-consult.com)

**Joseph E. Sabol, Ph.D.  
Chemical Consultant**

***Are your molecules misbehaving?  
Gremlins in your resins kettle?  
Equilibrium shifting, pH imbalance?***

- If you do not understand your chemistry, you cannot improve your process or products.
- Our services help you reduce operating costs, improve your efficiency, and advance your position in today's market.
- We provide an independent evaluation of your products and processes, market conditions, and regulatory issues.
- 100% confidential.
- We provide staff support for projects needing new information and methods.
- We provide technical and business development services, to solve today's problems and prepare for tomorrow.

***We help you understand your chemistry!***

***For more information or a confidential  
evaluation, contact us!***

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Chemical Consultant  
tel: +1 262 498 8005  
P. O. Box 85198  
Racine Wisconsin 53408 USA  
[inbox@chem-consult.com](mailto:inbox@chem-consult.com)  
<https://chem-consult.com>

## Organization Profile

Founded in 1999 to provide research and development services to the industrial chemical, semiconductor, polymer and electronic materials industry.

We can provide confidential, onsite evaluation and independent advisory and consultation services.

We work with each client to provide flexible arrangements that address specific needs.

Our goals are to exceed the expectations of each client.

## Client Benefits

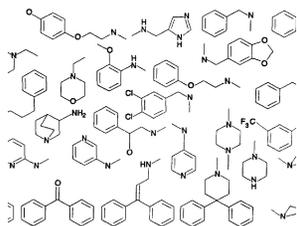
Access to experienced, informed, and independent analysts.

A confidential assessment of technical and market information.

A better understanding of the molecular basis of products and processes.

Expanded R&D without adding employees or additional overhead.

Control of fixed costs, savings that exceed the cost of services.



## Services Offered

Support in product and process R&D, project planning, marketing, regulatory compliance.

Chemical and physical analysis of materials, including "unknown" substances.

Independent assessment of a client's inhouse research and conclusions.

Tutorial seminars on theoretical principles, experimental design, statistical analysis; laboratory management.

Recommendations to optimize process operating conditions and reduce raw material and energy costs.

Assistance to each client in meeting and exceeding government regulatory, employee safety, and environmental requirements.

Sabol has expertise in chemical synthesis and analysis, chromatography, surface science and corrosion, electrochemistry, thermodynamics, microscopy, properties of materials, mass spectrometry, atomic and molecular spectroscopy, clean room protocol, chemical hygiene and safety, laser technology, x-ray diffraction, radiation monitoring, statistical data analysis, and regulatory compliance.

Sabol has 35+ years of experience in chemistry, chemical engineering, physics and materials science research, is an author of refereed publications, and is a speaker at technical conferences.

## Testimonials

"Worked . . . to better understand and optimize the chemical systems used."  
J. B., Chief Technologist

"Sabol Consulting was able to address our concerns in a timely and thorough fashion . . . a strong knowledge of chemistry and physics." Susan, Quality Engineer

"Demonstrates creativity in problem solving . . . listens to what we have to say." Manager, Chemistry R & D

"Good work!! Very professional, prompt and great communication skills." M. C., Director of Operations

"Very knowledgeable and professional. Looking forward to continue working with Joseph Sabol." Juan C., Owner/Partner

"Dr Sabol was very professional, his report was on time and he answered all of the questions. 5 Stars!!" John C., Entrepreneur

## Qualifications

Joseph E. Sabol has a BS in Chemistry from Carroll University (Wisconsin), a PhD in Chemistry from Oklahoma State University, and postdoctoral training in Chemical Engineering from University of Minnesota.

Sabol's portfolio of clients includes industrial chemicals, solvents, semiconductors, metals and oxides, polymers, auto parts, bio-diesel, natural product extraction, pulp and paper, medical products, agriculture and foods.