



Anthony J. O'Lenick Jr.
and Thomas O'Lenick

Organic Chemistry

for Cosmetic Chemists

*"An essential text for
the cosmetic chemist."*
-Robert Y. Lochhead, PhD

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Anthony J. O'Lenick Jr. and
Thomas G. O'Lenick

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About the Authors

Anthony J. O'Lenick Jr.

Anthony J. O'Lenick Jr. is President of Siltech LLC, a company he founded in 1989, specializing in organo-functional silicones and specialty chemicals. He is the inventor of more than 250 patents and has more than 30 years of experience in innovative personal care ingredients. He has held technical and executive positions at Alkaril Chemicals, Henkel Corp. and Mona Industries.

Tony has four published books: *Patent Peace of Mind* (Allured Publishing Corp., 2008); *Surfactants—Strategic Personal Care Ingredients* (Allured Publishing Corp., 2005); *Silicones for Personal Care* (Allured Publishing Corp., 2003) and *Primary Ingredients* (Zenitech, 1998). He has written more than 40 technical articles in scientific and industry journals, including *Cosmetics & Toiletries magazine* and *HAPPI*. Additionally, he has authored two book chapters and co-edited *Chemistry of Colored Cosmetics* (Marcel Dekker). His next books, being published by Allured Publishing Corp., include *Oils of Nature* and *Silicones for Personal Care, 2nd Edition*. Tony also writes the *Comparatively Speaking* column for *Cosmetics & Toiletries magazine*.

Tony is the recipient of numerous awards for his research on silicone-based surfactants, including awards from the Soap and Detergents Association and the American Oil Chemists' Society. His work in developing a three-dimensional HLB system (oil-water-silicone) and its use in formulating emulsions was recognized by the Advanced Technology Group. In 2006, Tony was elected as a Fellow of the Society of Cosmetic Chemists (SCC), having served the Society as a member of its Committees on Scientific Affairs and Education. He teaches a course for the SCC on silicones and on patents. Additionally, Tony has been an invited speaker at a symposia organized by the Cosmetics Toiletry and Fragrance Association (CTFA), Allured Publishing and HBA. Tony and his wife reside outside of Atlanta. They have three sons (Kevin, Thomas and Andrew), two daughters-in-law (Nicole and Courtney) and two grandsons (Ty and Jackson).

Thomas G. O'Lenick

Thomas G. O'Lenick earned his BS degree in chemistry from Georgia Southern University and is now a doctoral candidate at the University of Tennessee in Knoxville, pursuing a PhD in polymer and organic chemistry. Thomas has six patents and four publications. Thomas is Tony's middle son. He resides in Knoxville, Tennessee with his wife Courtney and his infant son, Ty.

Organic Chemistry for Cosmetic Chemists

To be an effective cosmetic chemist, the cosmetic formulator must understand the basic components involved in the creation of products and raw materials used to make them. To be successful, the language of chemistry must be understood.

Organic Chemistry for Cosmetic Chemists focuses on refreshing the chemist with fundamentals of the chemistry used to make raw materials used in our industry. Both theory and practice are presented. Many chapters contain problems at the end that allow the chemist to practice what they have learned.

Topics include:

- Structure of Organic Compounds
- Nucleophilic Substitution
- Sulfation/Sulfonation
- Ring Opening and Closing
- Raw Materials
- Synthesis Approach
- Aldol Condensation
- Diels Alder Reactions
- Reduction
- Polymers
- Oxidation

Packed with exercises, examples and patent references, this book is a must-have for the cosmetic chemist interested in staying on top of their game!

Anthony J. O'Lenick Jr. has more than 30 years of experience in innovative personal care ingredients. He is President of Siltech LLC, a company he founded in 1989, specializing in functional silicones and specialty surfactants. He has held technical and executive positions at Alkaril Chemicals, Henkel Corp. and Mona Industries. He has five published books, more than forty technical articles and more than 260 patents. He is a Fellow in the Society of Cosmetic Chemists and was a member of the Committee of Scientific Affairs of the SCC.

Thomas O'Lenick earned his BS in chemistry from Georgia Southern University in 2005 and is now a doctoral candidate at the University of Tennessee in Knoxville, pursuing a Ph.D. in polymer and organic chemistry. Thomas has four patents and six publications to his name.

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