Thomas O'Lenick, Ph.D.
Vitae

SurfaTech Corporation
Technical Director
December 20010 - Present

SurfaTech Corporation, founded in 1997, is a specialty chemical company with two distinct product groups.

1. **Silicone Specialties** - SurfaTech is proud to be associated with Siltech, a leading supplier of organo-functional silicones designed to provide outstanding efficiency in formulations by using the Greening with Silicone® concept.

2. **SurfaTech Corporation** is a company specializing in products that are naturally derived.

The technical director position was founded in 2010. The position is designed to focus the research and development of SurfaTech Corporation and guide it into the future of the cosmetic chemistry field.

Education

Georgia Southern University
BS Chemistry
2000 – 2005

University of Tennessee
Doctorate in Chemistry (Polymer)
2005 – 2011

Publications

Dissertation

"Thermo- and pH-Sensitive Hydrophilic Block Copolymers: Synthesis, Micellization, Gelation, and Application"
University of Tennessee, Knoxville
May 2011

Journal articles:

"Hairy Particle-Supported *4-N,N*-Dialkylaminopyridine: An Efficient and Recyclable Nucleophilic Organocatalyst"
Author(s): Zhao, B.; Jiang, X. M.; Li, D.J.; Jiang, X.G.; **O'Lenick, T.G**.; Li, B.; Li, C.Y.
Journal: *Journal of Polymer Science Part A*, **2008**, *46*, 3438-3446.
DOI: 10.1002/pola.22681

"Catalytic Activity of a Thermosensitive Hydrophilic Diblock Copolymer-Supported *4-N,N*-dialkylaminopyridine in the Hydrolysis of *p*-Nitrophenyl Aceate in Aqueous Buffers."
Author(s): O'Lenick, T.G.; Jiang, X.M.; Zhao, B.
Journal: *Polymer*, **2009**, *50*, 4363-4371.
DOI:10.1016/j.polymer.2009.07.007

"Thermosensitive Aqueous Gels with Tunable Sol-Gel Transition Temperatures from Thermo- and pH-Sensitive Hydrophilic ABA Triblock Copolymer"
Author(s): O'Lenick, T.G.; Jiang X.G.; Zhao, B.
Journal: *Langmuir*, **2010**, *26*, 8787-8796
DOI:10.1021/la9045308

"Dually Responsive Aquous Gels from Thermo- and Light-Sensitive Hydrophilic ABA Triblock Copolymers"
Author(s): Woodcock, J.W.; Wright, R.A.E.; Jiang, X.G.; **O'Lenick, T.G.**; Zhao, B.
Journal: *Soft Matter* **2010**, *6*, 3325-3336.
DOI: 10.1039/c000450b

"Rhological Properties of Aqueous Micellar Gels of a Thermo- and pH- Sensitive ABA Triblock Copolymer"
Author(s): O'Lenick, T. G.; Jin, N. X.; Woodcock, J. W.; Zhao, B.
Journal: *Journal of Physical Chemistry Part B*, **2011**, 115, 2870 – 2881.
DOI: 10.1021/jp2001332

"Tuning of Thermo-Triggered Gel-to-Sol Transition of Aqueous Solution of Multi-Responsive Diblock Copolymer Poly(methoytri(ethylene glycol) acrylate-*co*-acrylic acid)-*b*-poly(ethoxydi(ethylene glycol) acrylate"
Author(s): Jin, N. X.; Woodcock, J.W.; Xue, C. M.; **O'Lenick, T.G.**; Jiang, X. G.; Jin, S.; Dadmun, M.D.; Zhao, B.
Journal: *Macromolecules*, **2011**, *44*, 3556 – 3566.

DOI: 10.1021/ma200384k

"Silicone Compounds- New Formulation Possibilities"
Author(s): O'Lenick Jr., A.J.; **O'Lenick, T.G.**
Journal: *Cosmetics & Toiletries* **2005**, 95.
www.cosmeticsandtoiletries.com/formulating/ingredient/aids/2185272.html?utm_source=Redirector&utm_medium=Redirector&utm_campaign=Redirector

"Mixed Fatty/ Silicone Surfactant Systems"
Author(s): O'Lenick Jr., A.J.; **O'Lenick, T.G**.; Anderson, L.
Journal: *Cosmetic & Toiletries* **2007**, 49
www.cosmeticsandtoiletries.com/formulating/ingredient/surfactant/8855467.html

"Equilibration Reaction of Silicone Fluids"
Author(s): O'Lenick Jr., A.J.; Wiegel, K.N.; **O'Lenick, T.G.**
Journal: *Cosmetic & Toiletries* **2004**, 89
www.cosmeticsandtoiletries.com/formulating/ingredient/viscositymod/2084376.html?utm_source=Redirector&utm_medium=Redirector&utm_campaign=Redirector

"Anionic Interactions with Cationic Gemini Surfactants"
Author(s): O'Lenick Jr., A.J.; **O'Lenick, T.G.**
Journal: *Cosmetic & Toiletries* **2006**, 55
www.cosmeticsandtoiletries.com/formulating/ingredient/surfactant/3785947.html

Book

"Organic Chemistry for Cosmetic Chemists"
Author(s): O'Lenick Jr., A.J.; **O'Lenick, T.G.**
Allured Publishing Corporation, Carol Stream, IL 60188 USA

Patents

	PAT. NO.	Title
1	7,868,208	Polyquaternary alkyl polymers
2	7,193,111	Dimer poly-quaternary compounds
3	7,148,256	Dimer poly-quaternary ester compounds
4	7,132,558	Silicone vitamin esters
5	6,982,078	Dimer amindopropyl dimethyl poly-quaternary compounds

6	6,979,744	Dimer amidopropyl dimethyl betaines
7	6,861,542	Dimer amidopropyl dimethyl quaternary compounds