

Nutmeg Newsletter



C T S C C M o n t h l y C h a p t e r M e e t i n g

September 25, 2018

The Water's Edge at Giovanni's
2748 Boston Post Road
Darien, CT 06820
Registration: 5:30 – 6:00 pm
Dinner: 6:30 pm
Speaker: 7:00 pm

The Effect of Chocolate on Skin



Speaker:

Neelam Muizzuddin, Ph.D
SCR Consultants
Skin Clinical Research and Data Mining

Abstract

Chocolate history starts out in Latin America, where cacao trees grow wild. The Maya, who inhabited the same general area a thousand years later (from about 250-900 AD), used chocolate; history of chocolate really begins with the Maya. Chocolate contains Magnesium, which catalyzes a multitude of biologic reactions. Dark chocolate is also an important source of copper, and is required for biologic processes, such as iron transport, glucose metabolism, infant growth and brain development. Moreover, cocoa and cocoa products are rich in iron, but are relatively low in potassium. This talk will report some studies describing the effect of chocolate ingredients on mood via effect on serotonin and endorphins. We will also discuss the effect of chocolate on skin when applied topically.

Biography

Neelam Muizzuddin is operating a consulting company where she offers skin clinical research designing, testing, data mining and training. Neelam obtained a Masters in Microbiology before immigrating to the United States, in 1986, where she started working for Estee Lauder Companies, as a Research Scientist. Always of a very active and energetic temperament, Neelam obtained her doctorate in biology while working full time. During her thirty plus years at Estee Lauder as a clinical researcher she developed expertise in skin clinical research and bioengineering and has several publications as book chapters, patents and peer reviewed journals. At present she is President of "Skin Clinical Research Consultants LLC" and Adjunct Professor at SUNY Stony Brook.

CTSCC Monthly Meeting Registration

Online at www.ctscc.org
Email Cynthia at cvalovich@zotos.com

Chapter Meeting Cost

SCC members: \$45
Non-members: \$50
Students and Unemployed: \$35

2018 ELECTED OFFICERS:

Chairperson

Elizabeth Mycka
(203) 656-7868
CTSCCchair@gmail.com

Chair-Elect

Susan Sperring
(914) 606-0282
susan.sperring@symrise.com

Secretary

Jennifer Macary
(475) 299-8578
Jennifer.Macary@Henkel.com

Treasurer

Tiffany Fielder
(203) 656-7830
tfielder@zotos.com

Advisor

Patricia Singh
(973) 941-3927
patricia.singh@airliquide.com

Sponsorship

Alma Calderon
(203) 638-3785
alma.calderon@henkel.com

Employment

Tiffany Fielder
(203) 656-7830
tfielder@zotos.com

Newsletter

Jennifer Macary
(475) 299-8578
jennifer.macary@henkel.com

Dear CTSCC Members and Friends,

The summer is passing us by quickly, seems like I was just shoveling snow and sitting in the dark after a power outage. I'm looking forward to our strong fall program and seeing more members at the meetings.

The Connecticut Chapter has 122 active members. Please remember to renew your membership with national. Renewal reminders will be sent starting in September. Did you know that national offers a student membership for free the first year, and at a reduced rate for subsequent years until graduation? If you know a student interested in this field it is a good way to get them involved and meeting potential colleagues early. For more detail see www.scconline.org/membership

We decided to move our golf outing out to **Monday September 24th** due to rainy forecasted weather conditions. We hope to see all our registered attendees there, and still have time to sign up new golfers. Please email me or Dan O'Neill (doneill@charkit.com).

The next day on **Tuesday September 25th** will be a dinner meeting at the Giovanni's Waters Edge. Neelam Muizzuddin, Ph.D. will give a talk about Chocolate and Skin. We will have LOTS of chocolate goodies to reinforce the benefits of chocolate, and to entice members to attend.

We are pleased to host a CEP Course on Intermediate Polymer Science taught by Michael J. Fevola, Ph.D. This will be on **Tuesday October 16th** at the Zotos International Artistic Institute. This is a great way to attend a CEP course at a reduced rate.

We'll finish off the year with a dinner meeting and board member inductions on **Tuesday November 13th**. Nick Huss will speak about Emulsion Theory and we will have a visitor from national to induct the board members.

Elizabeth Mycka
2018 Chair, Connecticut Chapter
- Society of Cosmetic Chemists

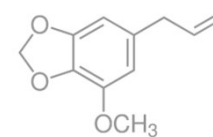
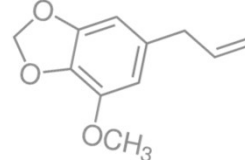
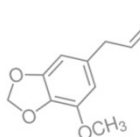


Fragrance WEST
subsidiary of HORN

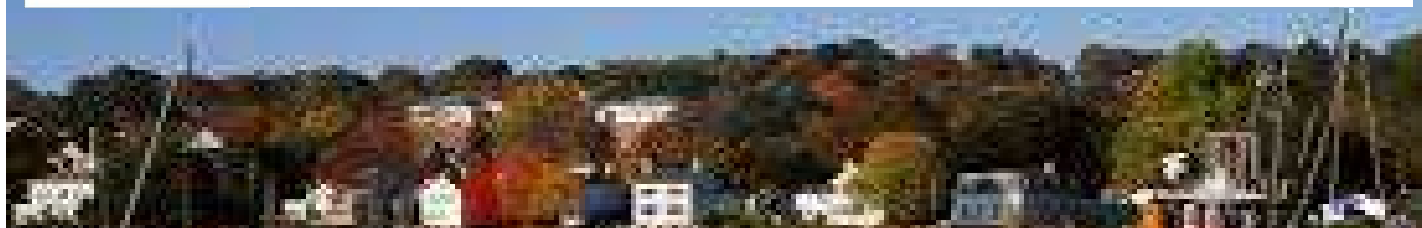
Inspire. Create. Captivate.
Creating memorable fragrances
that captivate your market.

Connect with Fragrance West today.

+1.818.781.2585
connect@fragrancwest.com • fragrancwest.com



CTSCC 2018 Important Dates



Date	Activity	Topic	Speaker	Location
Sept 24 th	Golf Outing	10th Annual	N/A	Lake of Isles, North Stonington, CT
Sept 25 th	Dinner Meeting	Chocolate and Skin	Neelam Muizzuddin	Giovannis, Darien CT
Oct 16 th	Scientific Seminar	Polymer Science	Michael Fevola	Zotos, Darien CT
Nov 13 th	Dinner Meeting	Emulsion Theory	Nickolas Huss	Stamford, CT

Follow us CTSCC.org

Are you a member of the Society of Cosmetic Chemists???

Broaden your knowledge and expand your network by joining the Society. Advancing cosmetic science since 1945. The Society seeks to advance scientific knowledge with a host of membership benefits. Our 4,000+ members, living in the U.S. and Canada, are comprised of industry professionals and academics working in all fields of cosmetic science. By joining the Society, members broaden their knowledge and take advantage of myriad opportunities, both on the national level and at Chapter meetings and events, to network and exchange ideas. Members gain access to exclusive content, including a subscription to the Journal of Cosmetic Science, our flagship publication, published six times per year. Members also take advantage of Continuing Education courses sponsored by the SCC. These courses aim to further improve the qualifications of cosmetic scientists by setting high ethical, professional and educational standards. Of course, members also participate in a range of professional and social events at 19 affiliated Chapters.

Join us today!! Go to our website
page: www.scconline.org

Connecticut Society of Cosmetic Chemists

10th Annual Golf Outing

Lake of Isles

September 24, 2018

10:00am Registration

11:00am Lunch

12:15pm Golf Shotgun start time

5:00pm Cocktails

6:00pm Dinner and prizes

Cost - \$230 per player/ \$920 per foursome

Company Hole Sponsorship - \$100

Also available, Lunch, Cocktail and Raffle Prize Sponsorship

Contact Dan O'Neill

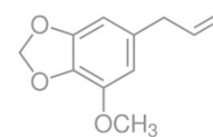
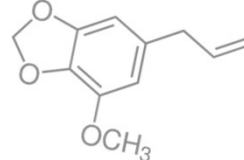
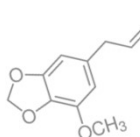
203-299-3258

doneill@charkit.com



Same Location for 2017
Lake of Isles
1 Clubhouse Drive
North Stonington, CT 06359





Join the CTSCC!!

2019 CTSCC Board Elections

Please be on the lookout for our upcoming election for our 2019 CTSCC board.

Candidates for 2019 CTSCC Office

Chair: Susan Sperring, Symrise

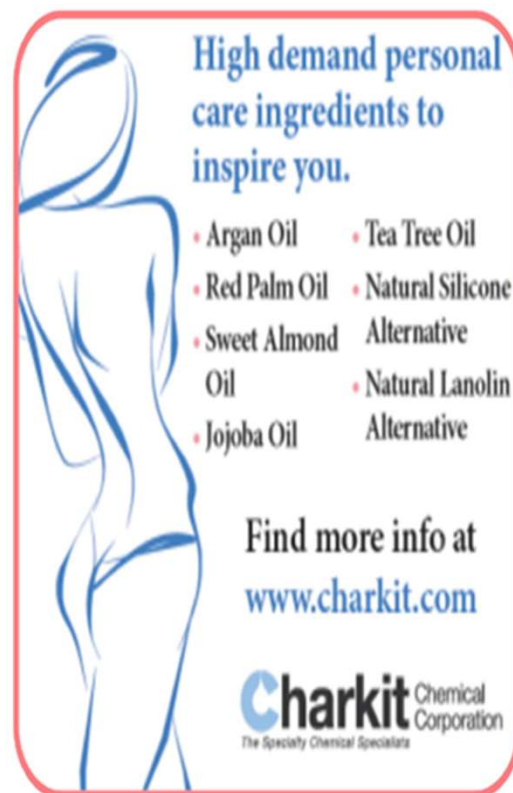
Chair Elect: Jennifer Macary, Henkel

Secretary: Nina Miotto, Zotos

Treasurer: Tiffany Fielder, Zotos



If you are interested in running for any position, please contact CTSCCchair@gmail.com



High demand personal care ingredients to inspire you.

- Argan Oil
- Red Palm Oil
- Sweet Almond Oil
- Jojoba Oil
- Tea Tree Oil
- Natural Silicone Alternative
- Natural Lanolin Alternative

Find more info at www.charkit.com

Charkit Chemical Corporation
The Specialty Chemical Specialists

Volunteer's Needed:

Please consider volunteering for a committee position with the CTSCC, or recommending someone you know who may be interested.

Benefits include:

- Exposure to the national SCC organization
- Experience in a trade organization, suitable for adding to a resume
- Excellent networking opportunities
- A voice in future speakers and helping to decide the direction of the chapter

Please contact any board or committee member with questions or for additional details

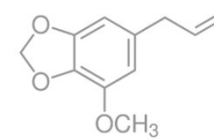
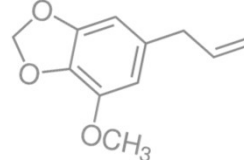
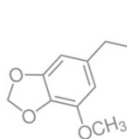


schulke →

sensiva® – multifunctional additives designed for your innovation

euxyl® – optimum preservation according to your needs

1-888-267-4220
www.schulke-us.com/nutmeg17



Beeswax: Back to Basics

Belén M. Lemieux, Steven L. Puleo



Introduction

Personal care is an exciting, evolving field. Our progress is dependent on new regulations, environmental awareness, consumer perceptions and scientific advancement. At Koster Keunen we strive to educate, and in this article we will go back to basics to provide an overview and better understanding of one of the staples of the beauty industry and the oldest wax known to man: Beeswax.

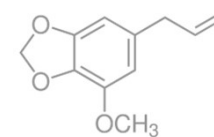
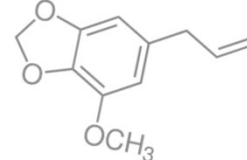
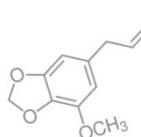
The definition of wax is still fairly vague. Physically, a wax is a kneadable solid to a hard brittle material at room temperature, with a melt point above 40 °C and a relatively low viscosity above its melt point.¹ Because of this broad definition, waxes are generally classified according to their origin, allowing the chemical composition to be narrowed down within each category. Natural waxes, such as beeswax, are complex mixtures of organic compounds, mainly esters of long chain alcohols and acids.²

Beeswax is produced by honey bees of the genus *Apis*. Once secreted, it is then modified by the bee into the wax which will be used to build the honey comb, with the main purposes of honey and pollen storage and brood protection.³

Beeswax is one of the oldest cosmetic ingredients in the world. It was first put to use by the ancient people of China and Egypt. Egyptians used it in cosmetics and in hair preparations to hold curls and braids in place. Other documented historical uses include preservation of papyrus scrolls and, later, candle making, specifically for religious ceremonies.⁴

Today, beeswax is widely used in cosmetics, especially in color cosmetics and lip balms. In 2017, 7% of new product launches in the eye color, lip color and lip care categories contained beeswax or a beeswax derivative. This means more beauty products are currently being launched with beeswax than with other industry staples such as paraffin, dimethicone, or polyethylene (2%, 5%, and 4.5% of new product launches respectively).⁵





Beeswax: Back to Basics

(Continued from page 7)

A Unique Chemistry

From a chemical point of view, beeswax is a fascinating ingredient with a highly complex composition. The major components, obtained via capillary gas chromatography, are listed in Table 1.^{6,7}

Beeswax is secreted on the thorax and abdomen of the *Apis* honey bee to form cuticular wax (produced by the epidermal cells) and scale wax (produced by abdominal glands) and is initially richer in hydrocarbons. The biosynthesis of hydrocarbons is suggested to come from fatty acetates being elongated and then decarboxylated. Simultaneously, beeswax esters result from enzymatic esterifications of C20 – C32 alcohols with palmitate-Co A (providing the C16 and C18 components).

The minor components of beeswax, called propolis or “bee glue”, are not secreted by the bee but are collected by it from surrounding trees, shrubs, and flowers. Propolis consists of a highly complex mixture of mostly resins, oils, pollen, and flavonoids, which give beeswax some of its pliability and yellow color.

Newly secreted cuticular and scale wax, along with propolis are all manipulated and chewed by the bee, where they are chemically modified by salivary enzymes, rendering the mix ready for use as comb wax, which now has a different chemical composition richer in monoesters.⁸ In the case of propolis, the biologically inactive components can become biologically active, which has been of great interest to the scientific community. The physical and chemical properties of beeswax are listed in Table 2.^{9,10}

Chemical Composition of Beeswax	
Monoesters	45 to 55%*
Hydrocarbons	15 to 18%
Free Fatty Acids	10 to 15%
Di and Complex Esters	8 to 12%
Hydroxy Monoesters	4 to 6%
Free Fatty Alcohols	1 to 2%
Minor Components	2 to 5%

Table 1 : Chemical composition of beeswax

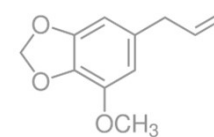
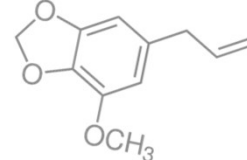
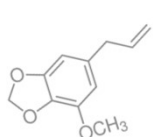
Physical and Chemical Properties of Beeswax	
Melting Point	62 – 65 °C*
Cloud Point	< 65 °C
Flash Point	242 – 250 °C
Specific Gravity	0.95 - 0.96
Iodine Value	8 – 11
Saponification Value	89 – 103
Acid Value	17 – 24
Ester Value	72 – 79
Unsaponifiables	45 – 55 %

Table 2: Physical and chemical properties of beeswax

Ask about our trends for 2018

BRIE KARAFILI
Technical Sales
bkarafili@orchidia.com
(718) 406-2017
www.orchidia.com

Twitter Facebook LinkedIn YouTube



Beeswax: Back to Basics

(Continued from page 8)

Beeswax is a remarkable cosmetic ingredient. It thickens and structures oils by forming stable gel networks where gel viscosity and hardness are proportional to the percent of beeswax. The gel also depends on the oil/wax compatibility, as is shown in Figure 1.¹¹ In realistic terms, by manipulating very few variables, cosmetic products will range from waxy hard sticks to soft sticky balms. The uniqueness of beeswax lies in its dual functionality as a structuring agent (due to the monoesters, hydrocarbons and fatty acids) *and* a plasticizer (due to the di- and complex esters), which is important for stick integrity, smooth textures, and even color deposition. The plasticizing properties in beeswax will also help prevent crystallization, “sweating”, and bloom. This double functionality also simplifies the formulation process.

Beeswax also has widespread use as a thickener in emulsion formulas (both oil-in-water and water-in-oil), especially where a thick consistency is desired, such as butters or creams. Because of its free fatty acids, beeswax has the ability to form *in situ* soaps when heated with a base, therefore doubling as an emulsifier as well as a thickener. This is the basis of traditional cold creams, which have been in use since 400 AD. Sample formulations are provided in Tables 3 and 4

*Variation within the range depends on many factors, including geographical region, climate, and bee subspecies

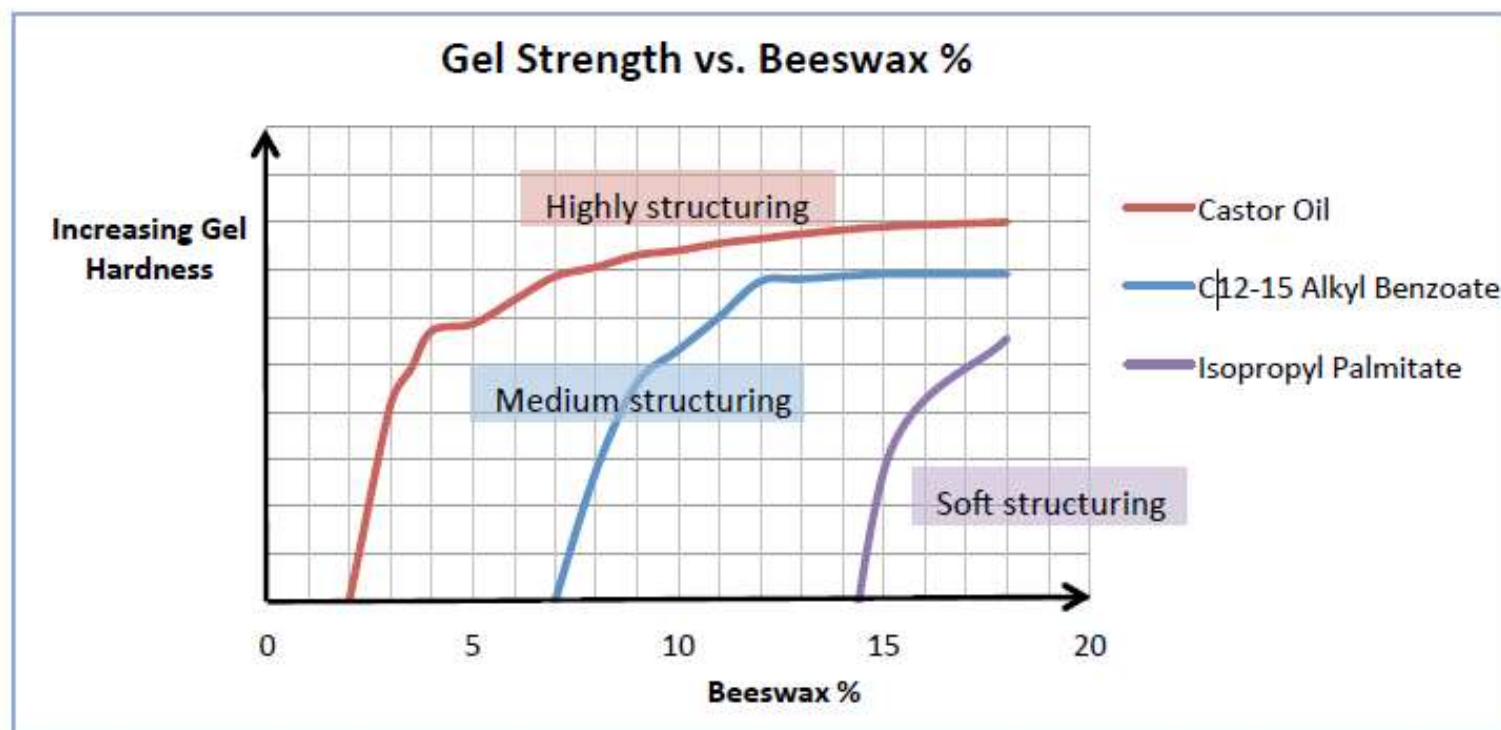
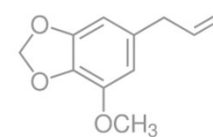
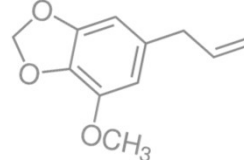
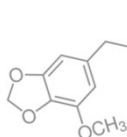


Figure 1. Gel strength and hardness as a function of % beeswax and oil medium.



Beeswax: Back to Basics

(Continued from page 9)

Phase	INCI	%
A	White Beeswax #421P by Koster Keunen	9.5
	Ozokerite 175 by Koster Keunen	8.0
	Enhans SB-63 by Koster Keunen	5.0
	Cocoa Butter by Koster Keunen	4.0
	Kester Wax K-82P by Koster Keunen	2.0
	Ricinus Communis (Castor) Seed Oil	13.5
	Octyldodecanol	12.0
	Octinoxate	6.0
B	Butyl Acrylate/Hydroxypropyl Dimethicone Acrylate Copolymer	3.0
	Color Concentrate: Available upon request	37.0

Procedure: Available on request.

Table 3: Sample lipstick formulation

Formula 2: All Natural Cold Cream		
Phase	INCI	%
A	White Beeswax #421P by Koster Keunen	10.0
	Kester Wax K-24 by Koster Keunen	20.0
	Behenic Acid by Koster Keunen	1.5
	Prunus Amygdalus (Sweet Almond) Oil	16.3
	Polyglyceryl-3 Stearate	1.0
	Tocopheryl Acetate	0.5
B	Water	44.8
	Glycerol	5.0
	Xanthan Gum	0.3
	Phenoxyethanol, Benzoic Acid, Dehydroacetic Acid	0.5
	Potassium Hydroxide	0.1

Procedure: Available on request.

Table 4: Sample cold cream formulation

BRENTAG
SPECIALTIES

ConnectingChemistry



ENJOY SUCCESSFUL PARTNERSHIPS

Brenntag Specialties, Inc.
1000 Coolidge St.
South Plainfield, NJ 07080
Phone: 800 843-1935

Fine Ingredients, Minerals, Colors,
Surface Treatments, Proteins, Powders

www.brenntag-specialties.com

The complex composition of beeswax and its unique chemistry allow for the preparation of many derivatives, usually via esterification of the free fatty acids with suitable alcohols. Derivatives increase the functionality and application range of beeswax. For example, our *Peg-8 Beeswax* and *Cera Bellina* both have a higher polarity than beeswax, making them compatible with a wider range of cosmetic ingredients, including sunscreens, or even water. Other examples of beeswax functionalization are our *Behenyl Beeswax* – where the removal of free fatty acids minimizes unwanted side reactions like *in situ* soap and salt formation - and our *Enhans SB-63* – where the addition of new functional groups imparts new properties to the wax, like increased slip or higher pigment deposition.

MMP

Natural Moisturizers

Vegetal Actives

Purified Extracts

Anti-Oxidants

Natural Emulsifiers

MMP continues to develop and manufacture specialty actives and customized raw materials for cosmetic innovation.

Michel Mercier
Founder
MMP, Inc.

sales.us@mmpinc.com | www.mmpinc.com

Open your eyes.

Suga®Nate 160NC

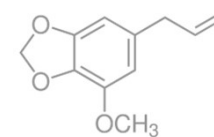
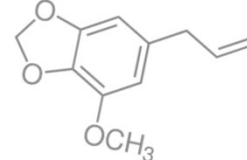
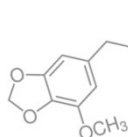
Sodium Laurylglucosides Hydroxypropylsulfonate

- **Lowest*** eye irritation score
- 100% naturally-derived
- EO-free, palm-free, biodegradable
- High-foaming
- Ships without preservatives

Colonial Chemical

Visit www.colonialchem.com

*Results for both HET-CAM and Muehlecker are Zero, indicating no ocular irritation potential in vivo. Complete testing information available upon request.
Suga®Nate 160NC is a registered trademark of Colonial Chemical, Inc. All other trademarks are the property of their respective owners.



Beeswax: Back to Basics

(Continued from page 10)

A Fascinating Story

Beeswax is unique from a marketing perspective as well. It offers countless benefits, such as skin protection, natural origin, anti-microbial properties, and UV absorption.¹³

Beeswax is globally approved, biodegradable, non-toxic¹⁴, non-irritant, and non-comedogenic¹⁵. It can be certified natural and/or organic by NPA, COSMOS, USDA, Ecocert and other certifying bodies. It is offered in different grades, such as NF (USP), and can be purchased with different certifications allowing for attractive packaging callouts, including “organic”, “kosher”, “halal”, “non-GMO”, “sustainable”, “ethically sourced”, “made in the USA”, and many more.



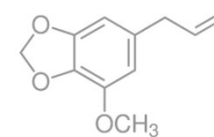
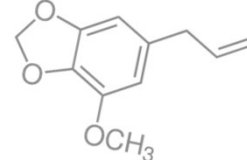
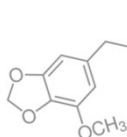
Honey bees are fascinating social insects. Success of the colony depends on following a firm hierarchy, proper division of labor, and the ability to change behavior based on a series of chemical and tactile interactions.¹⁶ Working as a team, *Apis mellifera* bees produce beeswax and honey, but also pollinate our crops. In the United States more than one-third of all crop production – ranging from nuts to berries to flowering vegetables - requires insect pollination.¹⁷ Consumers unknowingly rely on commercial beekeepers to provide pollination services to farms, and beekeepers, in a reciprocal partnership, provide optimum conditions for bees to thrive.

We Build the Scents that Build Great Brands.
www.alphaaromatics.com

ACTIVES
INTERNATIONAL, L.L.C.
Answers in Nature

ViaPure® • ViaFerm®
High purity extracts & ferments
Natural & sustainable

201-236-2828
www.activesinternational.com



Beeswax: Back to Basics

(Continued from page 11)

Ironically, consumers swayed by the increasingly visible animal rights and vegan movements, as well as the shortcomings in animal welfare laws in the United States^{18,19} are also putting beekeeping and beeswax harvesting under scrutiny. The facts are as follows: bees are not used as cosmetic raw materials, they are not exterminated for their beeswax, and they are not used as substrates for cosmetic testing.



Koster Keunen's position on beeswax is that it is a "cruelty-free" product. Worldwide, bees are not harmed in the farming process, in fact bees must be kept in optimal conditions in order to thrive and be productive. It is not in beekeepers' best interest to harm their bees, as bee product trade and pollination are part of their livelihood. In developing areas of the world, entire villages depend on the income from honey and beeswax trade.

Another area of controversy is the beeswax sourcing and its impact on communities. The beeswax that Koster Keunen purchases is sourced from all around the world, with an increased focus on specific locations in an effort to improve living standards. Our responsible sourcing promotes pure beeswax, economic development, and beekeeper safety. We work directly with beekeepers and their families, and our beeswax purchases provide a tangible impact on local communities (Koster, J., personal communication, December 2017).





DILCO
Refining Division

**LEADERS IN WAX
TECHNOLOGY SINCE 1904**

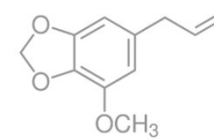
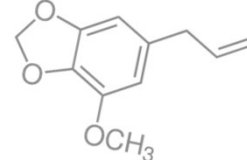
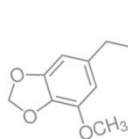
• Beeswax • Carnauba • Candelilla • Ceresine • Ozokerite
• Paraffin • Microcrystalline • Custom Blends • Natural Wax Jellies
• Puroesters • Olive, Avocado, Sweet Almond, Golden Jojoba & Sulfur Butters

**ECOCERT
LISTED
WAXES**

STRAHL & PITSCHE INC.



P.O. Box 1098, 230 Great East Neck Road, West Babylon, NY 11704
(631) 587-9000 Fax (631) 587-9120 web: www.spwax.com
MEMBER: CTFA • SCC • NCA • AMERWAX



Beeswax: Back to Basics

(Continued from page 12)

Alternatives

Because beeswax is an animal by-product, it cannot obtain the currently popular certification of “vegan”, nor can a cosmetic product that contains it. At Koster Keunen, we understand the market and offer a wide array of alternatives for our customers who need multiple options.

There are many synthetic replacements; blends of commercially available waxes engineered to closely match the properties of natural beeswax. As added benefits, these alternatives are cost effective and carry the vague INCI nomenclature of *Synthetic Beeswax*. In formulas with small percentages of beeswax they can be a “drop-in”, but formulas with high amounts may require some rework.

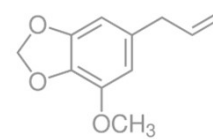
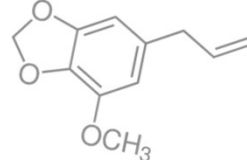
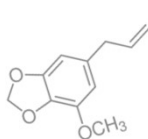
We encourage formulators and product developers with natural and vegan needs to reach out to us. Finding a one-to-one natural replacement for beeswax can be difficult due to the uniqueness of beeswax chemistry and the high dependency on the end product application. Koster Keunen has the technology to assist in the process. For example, in mascaras, *Rice Bran Wax* can work well as an alternate, while for candles, we might recommend *Soy Wax*. For lipsticks where brittle formulas are problematic or for low viscosity gels with a tendency to crystallize, a plasticizer such as *Kester Wax K-60P* can be blended with another natural wax in order to mimic the performance of beeswax.

Conclusions

Beeswax is a well-established, indispensable raw material in the cosmetic industry. At Koster Keunen, our goal is to protect this resource and continue to understand beeswax, its chemistry and its possibilities. Formulators and cosmetic chemists will find it to be an effective thickener, film former, plasticizer and even emulsifier. Marketers can tell compelling stories; every stage of the beeswax journey is exciting, and it all begins with a young honey bee emerging from her hexagon.

References

1. Bower, J.D., 2005, Waxes, in Tracton A.A., ed., Coatings Technology Handbook, Third Edition, CRC Press, Boca Raton, FL, p. 66.1-66.6.
2. Puleo, S. and Rit, T.P., 1992, Natural Waxes: Past, Present and Future, Lipid Technology, 4, p. 82-90.
3. Coggeshall, W.L. and Morse, R.A., 1984, Beeswax Production, Harvesting, Processing and Products, Wicwas Press, Ithaca, NY, p. 30-40.
4. Puleo, S. and Rit, T.P., 1992, Natural Waxes: Past, Present and Future, Lipid Technology, 4, p. 82-90.
5. Data gathered from Mintel GNPD, <http://www.gnpd.com/sinatra/gnpd/search/> (December 20, 2017).
6. Koster Keunen, Inc., 2014, NF Beeswax Technical Data Sheet, Koster Keunen, Inc. Watertown, CT.
7. Puleo, S.L., 1991, Beeswax Minor Components: a New Approach, Cosm. Toilet., 106(2), p. 83-89.
8. Puleo, S.L., 1991, Beeswax Minor Components: a New Approach, Cosm. Toilet., 106(2), p. 83-89.
9. Koster Keunen, Inc., 2014, NF Beeswax Technical Data Sheet, Koster Keunen, Inc. Watertown, CT.
10. Puleo, S. and Rit, T.P., 1992, Natural Waxes: Past, Present and Future, Lipid Technology, 4, p. 82-90.
11. Rit, T.P., proprietary data (unpublished).
12. Lochhead, R.Y., 2007, The Use of Polymers in Emulsions, J. Cosmet. Sci., 58, p. 578.
13. Puleo, S.L., 1991, Beeswax Minor Components: a New Approach, Cosm. Toilet., 106(2), p. 83-89.
14. Koster Keunen, Inc., 2016, Beeswax SDS, Koster Keunen, Inc., Watertown, CT.
14. Fulton, J.E., 1989, Comedogenicity and Irritancy of commonly used ingredients in skin care products, J. Soc. Cosmet. Chem., 40, p. 321-333.
15. Hepburn, H. R., 1986, Honeybees and Wax, Springer-Verlag Berlin Heidelberg, Germany, p. 1-4.
17. Bartuska, A., 2017, Being Serious about Saving Bees, U.S. Department of Agriculture, <https://www.usda.gov/media/blog/2017/06/20/being-serious-about-saving-bees> (December 27, 2017).
18. Animal Welfare Act of 1966, 7 USC § 2131-2132, <https://www.gpo.gov/fdsys/pkg/USCODE-2015-title7/html/USCODE-2015-title7-chap54.htm> (December 29, 2017).
19. 2014, H.R. 4148 - Humane Cosmetics Act, Congress.gov, <https://www.congress.gov/bills/113th-congress/house-bill/4148> (December 20, 2017).



2018 Upcoming Events

September

- 12 – NYSCC monthly meeting – Extending Your Invisible Umbrella
- 20 – New England SCC dinner meeting – Aerosols by Jim Hammer from Pharmasol
- 20 – NYSCC Culinary Event

October

- 23 – NYSCC monthly meeting – Active Ingredients
- 25 – New England SCC Educational Seminar – Cosmetic Product Preservation

November

- 7 – NYSCC monthly meeting – Skin Barrier Disruption & Inflammation
- 15 – New England SCC dinner meeting



LINCOLN
FINE INGREDIENTS™

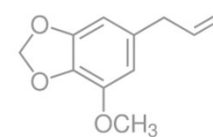
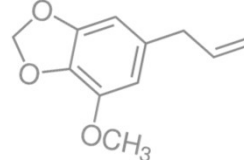
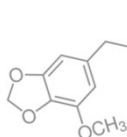
Committed to technology, formulation
and superior nation-wide distribution.

Distribution Locations

- California
- Florida
- Illinois
- Rhode Island
- Texas

Visit us at: LINCOLNFINEINGREDIENTS.COM or Call: 800.296.4942
LINCOLN FINE INGREDIENTS, INC. 50 INDUSTRIAL CIRCLE, LINCOLN, R.I., 02865

SEPPIC



Naturally Kiawah Symposium

Kiawah Island, SC

October 3-5, 2018

Special Events

October 3 - CEP, 5-6pm Cocktail Reception & Supplier Showcase

October 4 – Full Day Technical Seminar, & 5-6pm Cocktail Reception & Supplier Showcase

October 5 – Golf at Cougar Point & Spa Treatment at the Sanctuary

FOR ADDITIONAL INFORMATION

Michelle Linscott - michelle@xytrus.com

Shari Clemente - sclemente@Hatchbeauty.com

VEEGUM®
Magnesium Aluminum Silicate

VANATURAL®
Bentonite Clay

Unique Clays from a Unique Place
American Desert Clay

Vanderbilt Minerals, LLC
A Wholly Owned Subsidiary of R.I. Vanderbilt Holding Company, Inc.
33 Winfield St., Norwalk, CT 06855 • 800-562-2476
www.vanderbiltminerals.com

VEEGUM and VANATURAL are registered trademarks of Vanderbilt Minerals, LLC.

*Where Chemistry
is Artistry*

Alzo International Inc
1650 Jernee Mill Road
Sayreville, New Jersey 08872 USA
Phone: (732) 254-1901 ■ Fax: (732) 254-4423
Web: www.alzointernational.com



JOIN COSMETIC AND PERSONAL CARE PROFESSIONALS FROM 37 COUNTRIES THAT RELY ON THE SCC, THE OLDEST AND LARGEST NON-PROFIT ORGANIZATION FOCUSED ON ADVANCING COSMETIC SCIENCE EDUCATION

5,000
MEMBERS
CAN'T BE WRONG!

MEMBER BENEFITS

- Subscription to the **Journal of Cosmetic Science**, our flagship publication, published six times per year
- Discounts on **Continuing Education** courses, which further improve the qualifications of cosmetic scientists by setting high ethical, professional and educational standards
- Discounted registration to the **SCC Annual Meeting**
- Opportunities to participate in a range of professional and social events at **19 affiliated Chapters**
- Full online access to the searchable digital library of every issue of the Journal
- **AND MORE!**

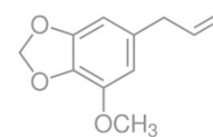
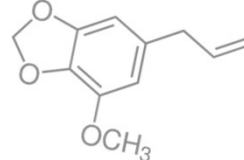
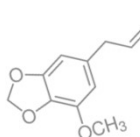


Distributing ingredients from
the finest manufacturers



770.831.9010
www.essentialingredients.com

www.scconline.org/membership



Federici Brands

Production Manager

The Production Manager supervises and directs manufacturing and processes with outside vendors to ensure efficient and on-time production schedules in accordance with organizational requirements, customers, quality, and statutory/regulatory.

Ideal candidate must be extremely organized, able to juggle numerous tasks, and have a strong sense of urgency.

PRODUCTION MANAGER ESSENTIAL DUTIES AND RESPONSIBILITIES

- Oversee production/manufacturing process in conjunction with the Chief Operating Officer.
- Develops production schedules to ensure manufacturing due dates are met.
- Works closely with all contract fillers, packers, and other manufacturers to ensure all deadlines are met.
- Gets estimates and negotiates pricing with suppliers.
- Supervises ordering of components, manufacturing and delivery schedules.
- Supervises all functions including receiving of components, production/manufacturing and interim quality checks, and shipping.
- Assures compliance with all regulations and good manufacturing practices.
- Oversees quality control.
- Coordinates with the Director of R & D and Marketing to ensure formulas are received in a timely manner and manufactured according to R&D specifications.
- Coordinates with Creative Director and Marketing to ensure any tooling and molds necessary to produce new products are completed in a timely manner.
- Troubleshoots any production problems.
- Performs other manufacturing duties as required.

ORGANIZATIONAL RELATIONSHIPS

Reports to the Chief Operating Officer.

Coordinates activities with Director of R&D and Marketing.

Federici Brands, LLC

Wilton, CT

Contact: joe@federicibrands.com



ATTENTION! ATTENTION!

In-House CEP Courses Available

In-House Courses are highly-personalized courses brought to companies to address challenges or areas of need. These courses, taught by knowledge experts, provide professionals with an up-to-date cosmetic science education. Recent In-House Courses have been organized for **Benefit Cosmetics**, **Mary Kay**, **Bayer**, the **FDA** and others.

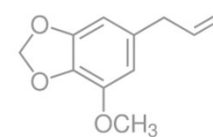
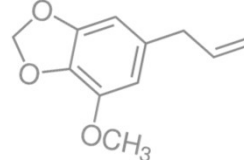
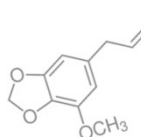
Companies interested in providing in-depth technical information to their employees can contract an education day in a location of their choosing.

- ▶ **SOCIETY** covers the costs of booking the instructor and all of the instructor's traveling expenses (including hotel, flight, car, etc.)
- ▶ **COURSES** can be scheduled for 1 or 2 days on any topic of particular interest to the company
- ▶ **COMPANIES** can choose the instructor if they seek a specific knowledge expert

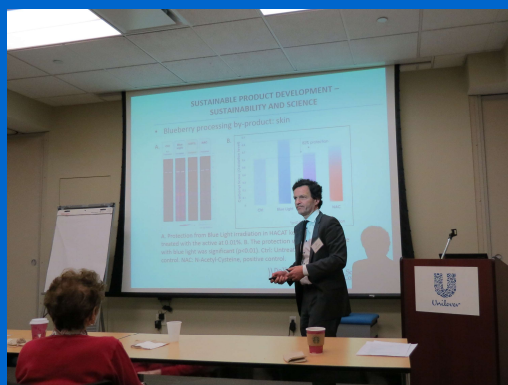
Current courses available include:

Scale Up & Processing	Botanicals & Naturals for The Naturals Market	Preservatives
Regulatory	Chemistry & Regulations of Cosmetic Colorants	Cosmetic Rheology
Color	Molecular Biology & Gene Expression	Color & Make-Up
GMPS For Cosmetics	Phytochemistry 101 For Cosmetic Chemists	Surfactants
Cosmetic Formulations	cGMPS For Cosmetics and Otc's	Cosmetic Raw Materials
Regulatory Update	Practical Basic & Theory in Emulsion Technology	Fragrance as A Science
Beginning Cosmetic Chemistry	Cosmetic Chemists Guide to Product Development	Silicone Chemistry
Basic Hair Science	Sustainable Cosmetic Product Development	<i>and more!</i>

To reserve a course for your team,
contact Sam Neely at sneely@scconline.org



Scenes from our April Meeting



SOCIETY OF
COSMETIC
CHEMISTS



We are a chapter of the National Society of Cosmetic Chemists. The National Organization is dedicated to the advancement of cosmetic science. The Society strives to increase and disseminate scientific information through meetings, continuing education courses and publications. For more information please make sure to visit our website: www.ctscc.org