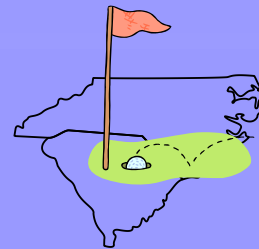


SOCIETY OF COSMETIC CHEMISTS Carolina Chapter



Volume 104

October 2015

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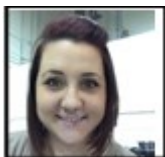


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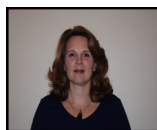
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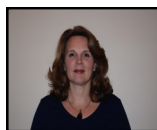
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CCSCC Announces Fourth Meeting of 2015

November 19, 2015

Hosted by Carolinas Chapter

Place:

The Palisades Country Club
13704 Grand Palisades Parkway
Charlotte, NC 28278

Cost:

\$ 40.00 For Member
\$ 50.00 For Non-Member
Students Free

Program:

3:30 to 4:00 PM – Registration/Sign in
4:00 to 5:00— Cocktail Hour Sponsored by Kobo
5:00 to 7:00 PM – Presentation Topic:

Topic and Speakers:

John E. Nucci
Innospec Performance Chemicals

Enhancing and Measuring Hair Shine

(Bio on page 3)

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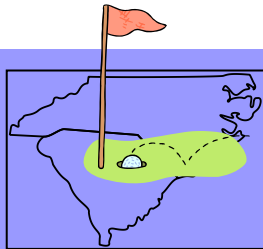
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SOCIETY OF COSMETIC CHEMISTS Carolina Chapter

Message from the Chair— Catherine Walker

Hi Everyone,

Wow, how time flies! I cannot believe this is my last letter as Carolina Chair. It has been an amazing year. This year we had our first meeting in February was at Campbell University. It was a great meeting and we saw lots of new faces. Paul Johnson, a professor at Campbell University, gave a wonderful technical talk on validation. Later, we enjoyed a tour of their testing facility on campus. A big thank you to Dr. Mali Gupta for helping set up the meeting! Our April meeting was in beautiful Charleston SC. Steve Hermann taught a wonderful CEP course on Fragrances. After the meeting, members enjoyed watching the Charleston Riverdogs play baseball. The meeting in September was a new, joint venture with our sister chapter, Mid-Atlantic. Together we hosted a webinar for our members. This new format allowed our chapter to have several wonderful speakers while viewing from our home or office. Please let me know how you enjoyed the webinar to see if we will keep it in the future. Our final meeting will be in Charlotte NC at the Palisades Country Club with John Nucci as our speaker. It looks like it is going to be a wonderful meeting.

We have already started planning 2016. Next year will be a huge year for the Carolina Chapter and the whole SCC. In April we will have our Naturally Kiawah Symposium and golf outing. Right now we are collecting abstracts for the symposium, so if you would like to submit one, please do. We are also looking for sponsors, so be on the lookout for more information. Also in 2016, the IFSCC is coming to the US and I am looking forward to it.

By the end of October, our new website should be up and running. Please go check it out at www.carolinasc.org. Also, go like us on Facebook and keep up with everything going on in the chapter. If you have ideas for 2016, please let us know.

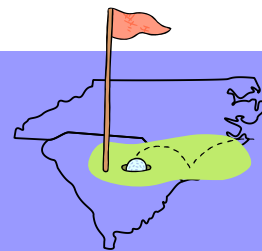
See you in November!

Catherine

Best,
Catherine
2015 Carolina Chair

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Meet the Speakers:

John joined Innospec in March, 2010. Previous to that, he had been at Revlon for 29 years. John has been in the personal care/cosmetics/OTC Pharmaceutical industry since 1975.

In a varied career covering raw material and product testing as an analytical chemist, John moved over to Product Claims Substantiation at Revlon in 1986. In this role he was responsible for developing testing protocols, performing panel tests, identifying instrumental methods of claim support and reporting results for all product categories. These product claims were used in various advertising media.

Joining Innospec, John continued his role in Claims Substantiation, This includes investigating instrumental and sensory methods in support of product claims.

John received his M.S. in Physical Chemistry from Adelphi University in Garden City, NY and his B.S. in Chemistry from Queens College (City University of New York). He also received the ACS Certification.

John has authored two articles both in C&T Magazine; one on Viscoelastic Properties of Skin in support of product claims and the other on Sunscreen and Preservative analysis using HPLC. John has also co-authored two patents while at Innospec.



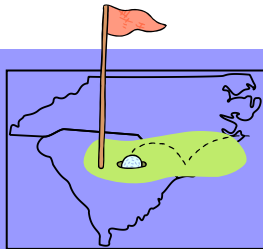
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CAROLINA SOCIETY OF COSMETIC CHEMISTS
Call for Papers
2016 Naturally Kiawah Symposium
April 21, 2016
Kiawah Island Golf Resort Kiawah Island, South Carolina

Authors are invited to submit titles and abstracts of no more than 150 words for original papers to be presented in podium format. All topics related to Natural and Green Science will be considered for presentation. Topics of particular interest for submission of the abstracts are:

- How Are Advances in Science Effecting the Development of New Natural /Green Raw Materials and Products
- Eco Friendly Manufacturing (carbon footprints, alternate forms of energy, waste management techniques)
- Effect of Natural/Green Products on Skin Biology
- Fair Trade Opportunities in Personal Care
- Preservation and Stabilization of Natural Products
- Marketing and Consumer Trends □ Regulatory Updates
- Sustainable Sourcing and Manufacturing
- Novel Delivery Systems for Natural Products
- Green/Natural Packaging

DEADLINE: November 1, 2015

Abstracts should be submitted on a separate sheet along with this flyer or Abstract Cover Sheet and send via e-mail to catherinewalker@xytrus.com or mail to: Catherine Walker, Xytrus, 9200 Stockport Place, Charlotte NC 28273. All Abstracts will be reviewed and selected by the CCSCC Education Committee no later than December 15th. After acceptance of abstracts by the Committee, all presenters will be required to submit an electronic copy of their full presentation 4 weeks prior to event date. Final presentations will be due no later than March 21th 2016. No changes in presentations will be acceptable one week prior or on the day of the presentations.

Cover Sheet Information:

Presenter's Name:

Title: (Prof., Dr., Mr., Mrs., Ms.)

Author(s):

Company Name:

Telephone #:

Fax #:

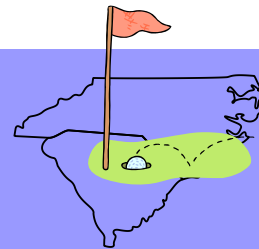
E-Mail Address:

Abstract Title:

Abstracts should be single spaced and typed on a separate sheet (150-200 words). Complete generic names as well the INCI nomenclature are requested for all ingredients. Abstracts should be informative, containing:

1. a sentence statement of the study's specific objective
2. brief statement of methods, if pertinent
3. summary of results obtained
4. statement of conclusions

Equipment requirement for presentation: ____ LCD Projector for PowerPoint



Comparatively Speaking: Humectants vs. Emollients vs. Occlusive Agents

By: Anthony J. O'Lenick, Jr., Siltech LLC 09/08/09

Tony O'Lenick asks industry expert Kelly Dobos, of Kao Brands, to explain the difference between humectants, emollients and occlusive agents, for the benefit of novice formulators.

Humectants

Humectants include ingredients such as glycerin, urea and pyrrolidone carboxylic acid (PCA). These materials function by attracting water outward to the stratum corneum (SC) from the dermis below and binding that water in the SC. Glycerin, for instance, frequently is used due to its low cost and high efficacy. However, the tacky feeling imparted to skin by high levels of humectants is one of the drawbacks to formulating with them. Thus, when optimizing skin formulations, cosmetic chemists often are challenged to reduce these negative properties.

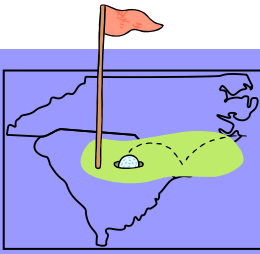
Occlusive Agents

Occlusive agents increase moisture levels in skin by providing a physical barrier to epidermal water loss. Ingredients with occlusive properties include petrolatum, waxes, oils and silicones. Some occlusive agents like petrolatum can leave a heavy feeling on skin; thus they often are combined with other ingredients like emollients to improve consumer appeal.

Emollients

Emollients provide some occlusivity and improve the appearance of the skin by smoothing flaky skin cells. Many different types of emollient esters and oils are available to formulators.^{1,2} Emollients generally are grouped by their ability to spread on the skin. By combining emollients with the different spread rates, formulators can tailor the skin feel of a moisturizer.





SOCIETY OF COSMETIC CHEMISTS Carolina Chapter

Comparatively Speaking: Humectants vs. Emollients vs. Occlusive Agents

By: Anthony J. O'Lenick, Jr., Siltech LLC 09/08/09


Cont.

One can test for these differences by using different emollients in a standard base lotion. Additionally, emollient lipids similar to those naturally found in the skin may also increase the rate of barrier repair.³

Combining Forces

Each of these ingredient types has a different mechanism of action and most cosmetic moisturizers will use a combination of them to create a synergistic effect and to mitigate certain esthetic or financial drawbacks. Product claims and skin feel are also considerations; therefore, experimentation with the various options is recommended.


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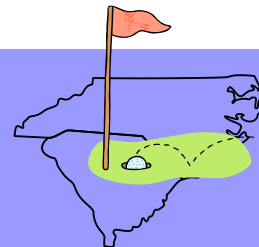
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2015 Meeting Dates:

November 19 The Palisades Country Club in Charlotte

April 20-22 (2016) Naturally Kiawah Symposium

The Kinetik logo is set against a background of vibrant green grass. The text "to us, innovation comes... naturally" is written in a clean, sans-serif font. Below the text, the word "kinetik" is written in a bold, orange, lowercase font. Underneath the logo, the website "www.kinetiktech.com", email "e-mail: info@kinetiktech.com", and phone number "t: (732) 335-5775" are listed in a smaller font.

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Save the Date

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Presents...

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Symposium*

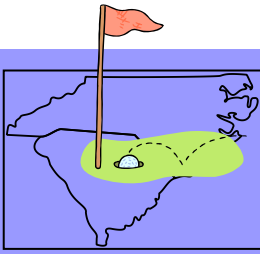
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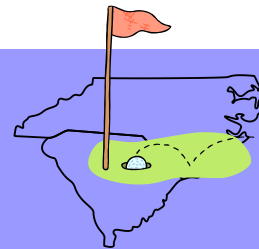
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Regional Account Manager-Personal Care

Position Summary

Clariant is seeking a Regional Account Manager-Personal Care for its Charlotte, NC location. The Regional Account Manager-Personal Care will be responsible for generating sales of Clariant products within assigned territory and business, as well as promoting new products for market application. This will be a home office based position, preferably in the NY or NJ area.

Position Description

- Develop and maintain strong customer relations through personal visits and other means in order to meet all sales and growth objectives
- Plan, organize, and implement a sales strategy for assigned territory
- Analyze customer needs, determine best solution using appropriate Clariant products, coordinate technical support
- Expedite the resolution of customer problems/complaints
- Develop, manage and implement travel plans for customer visitations to support sales strategies
- Interface with support groups (CSD, SCM, Credit, etc.) to assure solid face to customer
- Coordinate customer price requests with appropriate internal colleagues
- Provide management with forecasts and reports as needed
- Provide timely and complete updates for Demand Planning tool
- Provide market feedback for new product development and existing product improvements
- Attend trade shows and industry functions, as required, to promote the sale of Clariant products
- Keep abreast of competitive products, applications, market conditions, competitive activities, etc.
- Evaluate performance results
- Technical Responsibility for Distributors, encompassing training, joint call on customers, promotion and application development

Position Requirements

Bachelor's degree in chemistry or related field

3+ years in the Personal Care industry - does not have to be all in sales

Thorough understanding of Clariant products and how they can be applied to benefit the customer and promote a sale.

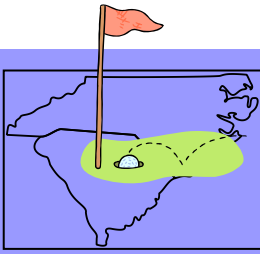
Good computer skills

Excellent communication skills

Desire/ability to travel 50%+ of the time

Interested applicants should apply to the following link:

<http://chc.tbe.taleo.net/chc06/ats/careers/requisition.jsp?org=CLARCORP&cws=1&rid=798>



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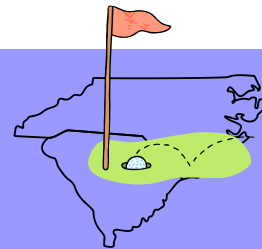
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Start With Simple Cosmetic Formulas

PERRY ROMANOWSKI 10/07/2015

On the forum there was a question about a shampoo formula and how to make it more conditioning. The question is a good one because it helps illustrate a point that many formulators miss. When you are creating a formula, start with a simple system.

The formula listed in the discussion was a reasonable one and contained all the proper ingredients you need for a good conditioning shampoo including

- Detergent system
- Conditioning ingredients
- Adjustment ingredients
- Pearling agents
- Preservatives
- Fragrance
- Solvent

The formula also contained 14 ingredients (with no claims ingredients) which makes it rather complicated. Stripped down to bare essentials you should be able to make a conditioning shampoo with 8 or 9 ingredients. And this is where you should start.

Create a base formula

When creating a shampoo, body wash or any other cleansing formula you should begin with a simple formula. In this particular case you can create a formula using the solvent, detergent system, adjustment ingredients, preservative and fragrance. You shouldn't include any conditioning ingredients when trying to create a conditioning shampoo.

Add new ingredients one at a time

This will give you a base formula to which you can add conditioning ingredients to determine if your formula is being made more conditioning. The base formula gives you the baseline of everything. Then when you want to add a feature (say conditioning) you can add one conditioning ingredient to see if it has any effect versus the base formula. You can do a triangle test to determine if there is a noticeable difference. If there is, great! That is your new baseline. If there isn't, that's great too. You know you haven't used enough of the ingredient or that it doesn't do anything.

Once you get your new baseline you can add the next conditioning ingredient. And every time you add a new ingredient you should do a triangle test to see if you can tell a difference. If adding a new conditioner makes no noticeable difference, don't use it.

Formulating does not have to be complicated. By using a system of adding a few ingredients and testing their effect you can more quickly come to an optimized, effective formula.

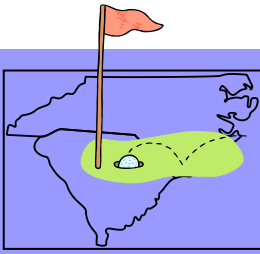


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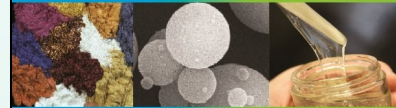


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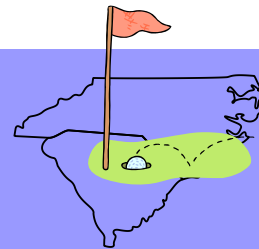
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Will neuro-cosmetics be the next big trend?

By Simon Pitman 10/15/15

Tapping into the big trend for wellbeing and sensory enhancement, a number of cosmetic ingredients targeting neurological stimulation could be the start of something new.

Cosmetics Design spoke exclusively to Belinda Carli, who is the director of the Institute of Personal care Science, and one of the first industry experts to pick up on this trend.

We began by finding out when this trend first started to emerge and what it is all about.

“The neuro-cosmetics trend is relatively new– these have only come out in the last 12-18 months with some of the most exciting launches in the last 6 months,” said Carli. “These types of materials work on a neurological level to elicit ‘feel good’ chemicals that then prolong cell life and/or regulate inflammatory responses. The visible results include anti-ageing benefits and increasingly reduced sensitivity to products along with a healthier skin ‘glow’.”

Ingredients that already target this trend

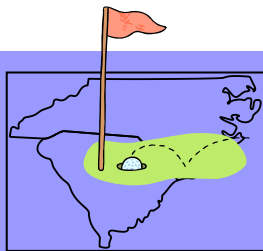
Carli pointed out that examples of ingredients that tap into this trend include raw material launches such as HappyBelle (Mibelle AG Biochemistry, 2014), Bosexil (from Indena, 2014), Neurodermine (from Matriscience, 2015) and Mariliance (from Soliance, 2015).

So what has bought this trend about? Why are consumers suddenly interested in cosmetic products that go that one step further?

“Consumers are increasingly look to ‘balance’ their busy lives; and at the same time, an increasing number of consumers are looking at the chemicals they use as causes of inflammation and sensitivities. The general trend of consumers toward wellbeing has obviously inspired raw material suppliers to provide materials that can provide ‘well-being’ to the skin!,” explained Carli.

Explaining why consumers are looking for this and what trends it all taps into is a bit more complicated, but Carli believes that such ingredients can help give cosmetic products a leading edge.

“The hardest part about marketing a product containing these materials will be in the marketing story. For example, cosmetic products are not able to make physiological claims, even about the activity of the ingredients, so while these materials also provide anti-aging, moisturizing and skin protection benefits, marketing personnel will have a hard time explaining how they do this compared to other actives because of their activity.”



Will neuro-cosmetics be the next big trend?

By Simon Pitman 10/15/15

Cont.

Secret to success may be down to effectiveness

But Carli believes that it is the effectiveness of these ingredients that could be the real game changer for consumers.

“Consumers will however see dramatic differences in their skin when using it, the least of which will be reduced sensitivities, wrinkle reduction and an overall rejuvenated and ‘glow’ appearance to the skin. That is what these well-being substances do: promote overall ‘wellness’ of the skin, although how marketing teams are going to tell this story in a compliant manner will be their biggest challenge.”

Predicting what type of products these type of ingredients might end up in is more difficult, but it is not surprising that one of the biggest trends in the industry, anti-aging, is likely to be a prime candidate.

“I can see the easiest path to market will be through focusing on anti-aging products for the normally very sensitive skin user – they have the biggest challenges normally when trying to find highly active skin care that provides them with visible results without irritation,” Carli said.

“Neuro-cosmetics, because of the way they work, are particularly suited to sensitive skins by reducing the normal inflammatory response to elicit visible anti-ageing and skin improvement results. Once these consumers start seeing the results and benefits of using products incorporating this science, these materials will pick up traction in the market and it will be an easier marketing story to communicate.”

The next logical step for wellbeing and sensory

To anyone involved in the formulation arena, the prospect of, at the very least, putting this trend on your radar is essential, but Carli believes that neuro-cosmetics are the next logical step in the move towards wellbeing and the sensory.

“Since an increasing number of consumers are reporting some type of chemical sensitivity, I can see Neuro-cosmetics becoming ‘staple’ additions to skin care formulations as they not only reduce sensitivities on application, but with repeated use they can build up inflammatory resistance and ‘feel good’ results over time to reduce overall sensitivities. The end result for consumers is less sensitivities in general, visibly smoother skin and less wrinkles and a healthier, more radiant complexion. Definitely a trend to watch.”