

Society of Cosmetic Chemists
Carolina Chapter

January 2016
Volume 105

CCSCC Announces First Meeting of 2016 February 11th, 2016

PLACE:

FORTY SIX
101 WEST AVENUE
KANNAPOLIS, NC 28081

COST:

STUDENTS: FREE
MEMBERS: \$40
NON-MEMBERS: \$45

PROGRAM:

4:30-5:00 PM- REGISTRATION
5:00-6:00 PM- TOPIC PRESENTAION
6:00-7:00 BUFFET DINNER

TOPIC & SPEAKER

Fatheih Alkazaz

Technical Marketing Associate from Active Micro

Natural Antimicrobials as Dermal Probiotics:
Understanding the Role of Skin Microflora in
Cosmetic Formulation

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LETTER FROM THE CHAIR

Dear Chapter Members, Happy New Year! I am eager to begin another exceptional year for the Carolina Chapter of the SCC. I am excited to be the 2016 chapter chair and I greatly appreciate all of the support that we've received from participating companies, speakers, and both the outgoing and incoming officers. We have a busy year ahead with our signature biannual event coming up in April: the Naturally Kiawah Symposium at Kiawah Island, SC. We will have twelve speakers participating in the symposium, including an exciting CEP course taught by Howard Epstein. National will also be holding their National Board meeting on the island. Please help spread the word; we'd love to have a record attendance year! Please mark your calendars and begin making plans to attend. Registration is due by March 20th.

Meet our new Chair, Maureen Danaher!

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The 2016 officers have been busy planning this year's technical meetings, and the dates for all of them are in this month's newsletter. Our goal this year is to make each meeting unique and enjoyable, so please try to attend and bring a friend! Special incentives will be offered to those who bring guests throughout the year. The February meeting will be held at Forty Six in Kannapolis, NC. Named for the number of chromosomes in the human body, the science theme is carried throughout the restaurant. Famous quotes from luminaries as varied as Madame Curie and Socrates are stenciled onto the walls carrying the science theme into the dining rooms, XX and XY. It should be a lot of fun and dinner will be provided. We still have great sponsorship opportunities available so if you are interested please feel free to send us an email for more information at seccarolinas@gmail.com. If anyone has additional ideas for speakers, themes, or locations for the rest of the year's meetings, we are happy to hear your thoughts. We are continually updating our website (www.carolinasc.org) and are available by email if you have any questions, comments, or suggestions. I look forward to a great year and seeing everyone at the February 11th meeting.

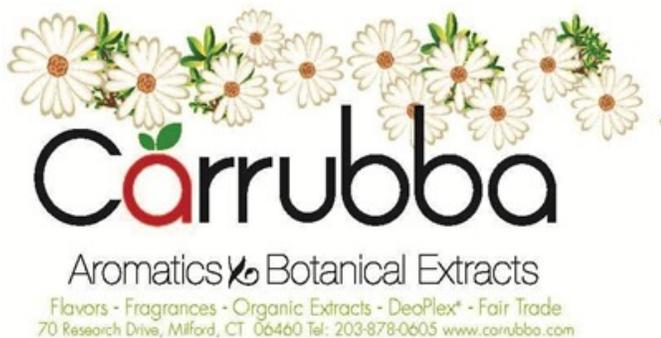
Thank you for your support,
Maureen Danaher
2016 Carolina Chapter Chair



MEET THE SPEAKER

Fatheih (Tia) Alkazaz is a technical marketing associate for Active Concepts, LLC. Fueled by her interest in cosmetic microbiology, Tia focuses on the study of innovative peptide technology and other alternative antimicrobial materials that are effective, safe, and stable to both chemists and consumers. She received a Bachelor of Science degree in Biochemistry from the University of Mount Pharmaceutical Science with a Concentration in Cosmetic Science from the University of Cincinnati (Cincinnati, Ohio) in 2015.

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USING EYE SHADOWS AS LIPSTICK

BY KELLY DOBOS

Should You Use Eye Shadow as Lipstick?

The short answer is no, absolutely not.

I was home on a break for the holidays watching a daytime talk show when I saw two young girls demonstrating how to make lip gloss from eye shadow and recently have seen a number of posts on social media featuring this hack too. Here's an example article on using eye shadow as lipstick. Here are the reasons eye shadows should never be used on the lips.



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“Should You Use Eye Shadow as Lipstick? The short answer is no, absolutely not.”

Eye shadows and lipsticks are developed with differences in the location of application in mind.

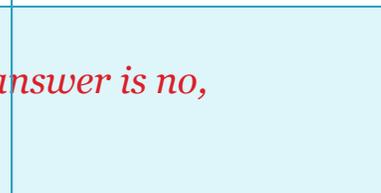
Compared to the rest of the skin, the lips have thinner stratum corneum and lack sweat and sebaceous glands. Because of this, lips are more prone to dryness. Lipsticks, balms, and glosses are developed with high levels of emollients and occlusive materials to mitigate dryness. Powder eye shadows can contain up to 30% fillers which are ingredients like talc, starch and silica which have oil absorption capacity that can be drying if applied to the lips.

Some pigments used in eye shadow are NOT approved for lip use and vice versa.

Pigments are strictly regulated in the US, EU, Japan and elsewhere due to safety concerns. In the US, cosmetic colorants are regulated by the FDA. For example, in the US Chromium oxide green and chromium hydroxide green are both approved for use in eye area cosmetics but are restricted from use in the lip area. By contrast, D&C Red 6 Aluminum Lake is permitted for use in lip and restricted from use in the eye area.

To simplify labeling across a product line, cosmetic companies often list all the colors used under the heading “May contain” or “+/-“ making it nearly impossible to know exactly which colorants are in the shade at hand.

So it's better to be safe than sorry, never use products developed for the eye area on lips.



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SAVE THE DATES:

2016 Meeting Dates

February 11th – Technical Meeting

April 20th - 22nd – Naturally Kiawah Symposium/CEP Course

August 4th – Technical Meeting

November 17th – Technical Meeting/Officer Installation

Naturally Kiawah Symposium

Kiawah Island, SC

April 20 - 22, 2016

Special Events

April 20 - CEP Courses

April 20 Evening - Cocktail Reception & Supplier Showcase at Turtle Point Country Club

April 21 - Full Day Technical Seminar

April 22 - Annual Golf Outing at Cougar Point
Spa Treatment at the Sanctuary

FOR ADDITIONAL INFORMATION

Michelle Linscott - michelle@xytrus.com

Maureen Danaher - mdanaher@ActiveConceptsllc.com



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COMPARATIVELY SPEAKING: SHAMPOO VS. BODY WASH FORMULATION

BY: ANTHONY J. O'LENICK JR.
AND FENBAO (DAVID) ZHANG, PHD, SILTECH

Shampoo and body wash/shower gel are two major classes of personal care cleansing products. Shampoos are specifically formulated to clean and take care of hair, whereas body wash is a liquid soap that is appropriate for cleansing the body. Most commercial shampoos and body washes are made as creams or gels. They are emulsions or gels of water and detergent base with added functional ingredients. Because the form or texture of both shampoos and body washes are creams or gels, many people may mistakenly use one as the other. Although there are some similar components inside both formulations, there are many differences from the view of a personal care formulator.

The first difference is their target. Hair is actually a modified type of skin. The main difference between hair and skin is that skin is basically a living organ that replaces its outermost layer on a frequent basis. In contrast, hair is basically dead material derived from a few live cells deep within the skin surface.

Shampoo Formulation

Hair care is much more complicated than body care and will differ according to one's hair type and according to the processes applied to hair. Hair is a manifestation of human diversity. For example, there are three basic ethnic hair groups: Caucasian, Asian and Black-Afro/Caribbean. Hair types vary from completely straight to tight wiry curls, and from fine and flyaway to coarse and frizzy, with widely differing behavior patterns.

Shampoos were created because hair became rough and damaged when cleansed with soap. Hair cannot be cleansed well with body wash instead of shampoo. The problem with using shampoo on the body is that some shampoo ingredients are not needed for skin and it can impart a slimy feel.

Shampoo should have the following properties: proper detergency without degreasing, ability to form delicate and rich bubbling, easy rinsing, good finish after washing hair, minimal skin/eye irritation, no damage to hair, low toxicity and good biodegradability.

Shampoo and body wash are formulated differently. Shampoos are made for specific hair conditions such as dryness, oiliness, damage from color treatment, frizziness, etc. Each function uses different ingredients designed for hair and not skin. The purpose of a shampoo is to clean the hair, but it must not overly clean the hair or all of the protective oils in the hair would be stripped. Shampoos must also smell decent, look good, feel thick or creamy on the hand and produce a rich lather. Other selling points might be trendy herbal extracts or nutritional additives like amino acids from silk or milk, vitamins, etc.

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COMPARATIVELY SPEAKING: SHAMPOO VS. BODY WASH FORMULATION

Shampoos have a pH between 4 and 6. Acidic shampoos are the most common type of shampoos; they do not contain soap and their pH is closer to the natural pH of hair. Due to their pH, acidic shampoos do not swell the hair shaft or strip the natural oils. The scales on a hair follicle lay flat at a slightly acidic pH, making the hair feel smooth and look shiny. Citric acid is often used to adjust the pH down to 5.5. It is a fairly weak acid, which makes the adjustment easier. It also has a small amount of preservative action.

Even though most modern shampoos include a conditioning component, shampooing is frequently followed by the use of conditioners which ease combing and styling.¹ Conditioners are often used after shampooing to smooth down the cuticle layer of the hair, which can become roughened during the physical process of shampooing. Consumers expressed a need for cleaning and conditioning in one step; therefore, 2-in-1 shampoos were created with conditioning materials to offset the harsh effect of the surfactants on the hair. Conditioning the hair can mitigate hair damage by improving sheen, decreasing brittleness, decreasing porosity and increasing strength.²

There are some specialized shampoos such as anti-dandruff, natural, baby and animal shampoo. Anti-dandruff shampoo contains fungicides such as ketoconazole, zinc pyrithione and selenium sulfide, which reduce loose dander by killing *malassezia furfur*.¹

Body Wash

Body wash is an emulsion/gel of water and detergent base with added functional ingredients such as moisturizer/conditioner, pearlescent pigments, colorants, fragrance, etc. It is used as a skin cleansing agent in the shower or bath. Body wash contains milder surfactant bases than shampoos. In addition to being pH-friendly to the skin (5–6.5), most also contain gentle conditioning agents in the formula. Body wash needs proper detergency without degreasing skin. It normally has a rich foam, easy rinsing, minimal skin irritation and good biodegradability. Almost all commercial body washes have pleasing scents.

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10 Skin Care Trends That Will Be HUGE in 2016

BY DERMSTORE EDITORS · DECEMBER 31, 2015

Great skin will never go out of style—and 2016 promises to bring us bigger and better beauty breakthroughs that will make your skin care routine 10 times more efficient. To give us a glimpse of what's in store for 2016, we sat down with Desiree Stordahl, beauty expert, best-selling co-author alongside Paula Begoun and a leading force on the Paula's Choice Research Team. Here she shares 10 skin care trends to look forward to, as well as three not-so-great ones you're probably better off without.

1. Boosters

“Essentially, they are ultra-concentrated, fluid formulas whose benefits vary dependent on their superstar ingredients. What they have in common is that they're formulated to be mixed in with your current moisturizer, treatment product or serum to give it an even greater anti-aging or, depending on the formula, anti-acne edge. For instance, some increase hydration, others help with evening out skin tone, and the superstars of the bunch are concentrated with potent anti-aging antioxidants or cell-communicating ingredients to help reduce wrinkles and other signs of aging.

“What really makes them innovative is that boosters allow you to tailor your skin care routine—they aren't a one-skin-type-fits-all cream—instead they mix into and supercharge the products that already work for your skin type, so really anyone can use them. You can find them now from brands like Dr. Dennis Gross, Paula's Choice and StriVectin, but I expect more to debut next year.”

2. Makeup With (Better) Skin Care Benefits

“This trend has been around for a while, but whereas it once used to disappoint due to negligible amounts of the called-out ingredients, we're now seeing more and more makeup that make good on their skin care claims. It still takes some sorting to find the truly good ones, but foundations, tinted moisturizers, BB/CC creams and concealers formulated with anti-aging actives like antioxidants, dark spot faders and skin-repairing ingredients are stepping up the skin care/makeup hybrid category.”

3. SPF on Everything

“The fact that we're seeing SPF branching out into unique aspects of makeup like eyeshadow and lip gloss is another welcome trend—the eyelid area and lips are often neglected when it comes to sun protection, so having that in a makeup product that you apply every day is huge skin saver!”

4. Niacinamide

“I think we're going to see the buzz build around niacinamide, which is exciting because there is growing research showing it benefits skin in a number of ways, including improving elasticity, regulating pore size, evening out skin tone and enhancing skin's barrier function. We're also starting to see its potential for helping with acne, which makes it a particularly great ingredient for those struggling with breakouts *and* wrinkles (or, as I like to call this unwelcome duo, 'brinkles').”

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10 Skin Care Trends That Will Be HUGE in

2016 BY DERMSTORE EDITORS · DECEMBER 31, 2015

5. Essences and Other Water-Like Products

“I also expect there to be quite a bit of focus on weightless textures and layering products. The explosion of ‘light-as-water’ consistencies in cosmetics is opening new doors for people with oily and/or breakout-prone skin—they have more options than ever when it comes to getting a great anti-aging formula packed into weightless, nongreasy texture. We’re starting to see skin care routines become more and more complex with more and more steps (you can thank the Korean beauty craze for that), so lightweight consistencies are going to play a big role in that because they blend cohesively with other products. In that vein, the category of skin care ‘essences’ is going to be particularly big in 2016.”

6. Fatty Acids

“Keep an eye out for omega fatty acids to become more popular in skin care. There’s a trend of ‘what’s good to eat is good for skin,’ and in the case of fatty acids, it’s not just marketing fluff. They’re brilliant for helping supplement the skin’s intercellular matrix and protecting the body against oxidative damage. Translation: better-looking skin.”

7. Masks

“Expect facial masks to be big in 2016. We’ve already seen the tip of the iceberg with sheet masks, and powerhouse companies like L’Oréal and Estée Lauder have invested in brands that specialize in masks, so you can expect that to trickle down to the multiple cosmetics lines they own. The theme of doing ‘a little something extra’ to pamper *and* improve what you don’t like about your skin is going to hit big!”

8. High-Tech Beauty Gadgets and Apps

“Not surprisingly, we’re also going to start seeing more technology-based skin care tools and apps. For instance, in-store smartphone interactive displays and online skin analyzers. It’s bigger in Europe than in the States right now, but there is a good chance we’ll see them here more regularly in 2016.”

9. Kybella for Double Chin

“Procedure-wise, we’re intrigued by the recently FDA-approved treatment Kybella to remedy the dreaded double chin we tend to get as we age. It’s a potentially exciting nonsurgical way to safely remove unwanted fat from this hard-to-treat area—and it’s less costly (and certainly less invasive) than a lower face-lift.”

10. Microwave Technology for Hair Removal

“I haven’t seen much in regards to microwave technology for skin care, but for hair removal it’s an interesting topic. The jury is still out on that: There’s not enough established research, but if it works like they say it can, it’s going to be huge due to its ability to work on all skin tones and hair colors. (Current laser hair removal devices are limited to lighter skin tones with darker, non-blond hair.)”



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