TOPIC: GHS/HazCom Questions Everyone is Asking!

Speaker: MSDS Online

Abstract: The farther down the road EH&S professionals get to the impending HazCom 2012/GHS compliance deadlines, the tougher the questions become. With the first deadline under our belt but three more to go, we examine the most frequently asked questions even smart, informed EH&S professionals have about GHS adoption. This presentation will provide a quick overview of HazCom 2012 and address FAQs related to labels, SDSs, training, and more.

About MSDS Online: Recently named an “Inc.” 5000 fastest growing private companies in the United States, MSDS Online creates and provides on-demand compliance solutions for MSDS management, environmental health and safety professional regulatory assistance, and other chemical management and safety solutions. The company was founded in 1996, and is based in Chicago, IL. For more information about MSDS Online, see http://www.msdsonline.com/
Hello my fellow frozen MWSCC members!

I don’t know about the rest of you, but if I never hear the phrase “Polar Vortex” ever again, I’ll be ok with that! Luckily, those subzero temperatures don’t affect us tough skinned Midwesterners, which was evident at our January Monthly Meeting. We had a great turn out and I thank everyone who was able to spend the evening with us. Dr. Howard Epstein from EMD Chemicals in Philadelphia, PA gave a very informative talk about “The Future of Ethnic Skin Care – New Approaches to Evaluating Cosmetic Actives.”

We were also fortunate enough to have several students from various Universities attend our January meeting. As an initiative of our Outreach Committee, we are committed this year to getting college students more involved with our chapter. In January we had students from Loyola University, University of Minnesota, Duluth and Northern Illinois University. Their presence was made possible by the generous sponsorship of Fitz Chem (who sponsored 3 students), Glenn Corp, Thor Specialties and Solvay. If you are interested in sponsoring students to upcoming meetings please contact us at midwestsccmidwestsc.org.

“We Teamworks” is right around the corner! Our premiere industry technical and trade show for the personal care industry in mid-America is being held at the Donald E. Stephens Convention Center in Rosemont, IL, April 9, 2014. Mark your calendars and get ready for an exciting educational experience and premier trade show featuring a broad range of new ingredients and services. As always we will kick off our event with a Social Night on April 8th, and this year it will be held at the Hofbrauhaus Chicago to enjoy some traditional German food and drinks. You won’t want to miss this event as we have some really fun activities planned. For more information, contact IAMI toll free at (888) 411-4264, or email: teamworks@midwestsc.org.

This year is also a big year for the Midwest SCC as it is our 65th Anniversary. Our chapter was the first SCC Chapter and has a rich history, all of which are being successfully documented in a 65th Anniversary Book which we are hoping to have completed for you by Teamworks. Our Chapter Anniversary Book committee is working tirelessly to complete this and I thank them tremendously for their efforts.

Lastly, if you have not done so, please remember to renew your dues. If you know someone who would like to become a member, please encourage them to do so.

I look forward to seeing everyone at the February Monthly Meeting! Stay warm Chicago!

Sincerely,
Dusanka “Duey” Vos

Feel free to contact me at Chair@midwestsc.org.
February 11th MWSCC Chapter Meeting

Schedule:
4:00 Board Meeting
4:30 Cocktail Hour
5:30 Speaker
6:15 Dinner

Location:
Westwood Tavern
(In the Chicago Room)
1385 N. Meacham Road
Schaumburg, IL 60173
847-969-9500

IMPORTANT: Guests must have their food selection as part of their advance registration, which closes Thursday, February 6th end of business. The venue requires a hard count for the entrees in advance!

Menu

Starters
House Salad and Soup of the Day

Entree
Salmon with a sweet chili glaze or Chicken Madeira. Vegetarian option is available

Sides
Vegetable Medley and Oven Roasted Baby Red Potatoes

Dessert
Chocolate Covered Strawberries
2014 Online Membership Renewal
The online membership renewal for 2014 is now available to existing SCC membership http://www.scconline.org/website/index.shtml. For those who are not currently members and would like to join, please go to our Application Download http://www.scconline.org/website/about_scc/member_application.htm page or contact Colleen Daddino at cdaddino@scconline.org if you have additional questions.

The Midwest Society of Cosmetic Chemists Invites You To SOCIAL NIGHT 2014
Join us at Hofbrauhaus Chicago, the first and only German micro-brewery and beer hall to call Chicago home. We’ll enjoy a rowdy Oom-Pah band, have a special Keg-Tapping Procession, and host a Beer Stein Holding Contest. Oh, and there will be plenty to eat and drink, too! So, pull on your lederhosen and lace up your dirndl. You won’t want to miss it!

Tuesday, April 8, 2014
6:00 to 10:00 p.m.
Hofbrauhaus Chicago
5500 Park Place
Rosemont, Illinois
www.hofbrauhauschicago.com

Schedule of Events
6:00-7:00 Cocktails & Hors D’Oeuvres
6:45 Keg Tapping Procession
7:00-9:00 Dinner Buffet
7:45 Beer Stein Holding Contest Begins
9:00-10:00 Desserts & Coffee

Early Bird Ticket Price: $115 per person (thru March 14, 2014)
Regular Ticket Price: $130 per person (March 15 - 31, 2014)
Registration strictly closes March 31, 2014

Visit www.midwestscc.org and click on Social Night 2014 to register. Pay online via PayPal, or send check (payable to Midwest SCC) to:
Midwest SCC Treasurer, 321 N. Walnut Street, Itasca, IL 60143

Special Sponsorship Opportunities Available!
Visit www.midwestscc.org and click on Social Night 2014 for details
Questions: Margie Best at TH Hilson Co.
773-294-5219 or Margie@thhilson.com

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Getting to Know Your Secretary --
By Uma Kulkarni

I am honored to be elected as your 2014 Secretary. I sincerely thank Midwest SCC for giving me this opportunity. For those who don’t know me, please let me take a moment to introduce myself.

I am originally from Mumbai (Bombay), India. After graduating with a degree in Cosmetic Science & Technology in 2002, I started my career as an Analytical Chemist - QC with Johnson & Johnson, India. While working at Johnson & Johnson, I gradually became interested in and moved towards projects focused on Research and Development. After working here for nearly two years, I decided to go back to school full time to pursue a Master’s degree from Nagpur University, a pioneer in Cosmetic Science education in India. In my Master’s degree I concentrated in Physical Pharmacy & Product Development Application with added specialization in Ayurvedic Herbal Science.

In 2006, I got married and moved to USA. I started my career in R&D with Levlad LLC based in Los Angeles, CA formulating natural based skin and hair care products. After that I moved to Nashville, TN and worked as R&D Scientist with VI-Jon. Both of these experiences gave me a holistic exposure to mass-market, niche and private label industries in personal care domain. My next job was with Rhodia-Solvay in Chicago, IL which gave me great exposure to the supplier side of our industry. I currently work as a Manager - Technical Service and New Product Development for Avatar Corporation, Chicago, IL a company specializing in personal care products and food industry.

Our amazing industry has provided me multiple opportunities for the past 9 years, allowing me to work in various development roles -- including product conceptualization and formulation, business procurement, marketing and sales support, and technical service. For me, the best part of working in the field of Cosmetic Science is the continuous learning process which keeps things interesting and also helps in sharpening creativity.

Before moving to Illinois in 2011, I have lived in three other states – Alabama, California and Tennessee. In my relatively short period of stay in USA, I think I have had a chance to experience many different and multi-faceted cultures and sub-cultures here. Thoroughly relished all of these experiences too. I currently live in downtown Chicago with my husband, Shantanu who is pursuing his MBA degree with University of Chicago. We enjoy exploring downtown and lakefront parks with my dog, Gattu, an adorable Bichon Frise. I really like this city, though coping with harsh winters is somewhat challenging for a person like me, coming from a tropical country! Other than that, I absolutely love travelling - let it be for work or for pleasure. I am also very interested in nature and art and am currently trying to develop my skills in Hindustani classical singing.

I look forward to an exciting year as your Secretary and meeting you at future SCC meetings and events.
New colleagues are waiting, new concepts abound and innovations are within reach - discover them in Chicago. Chemists, chemical buyers, engineers and technologists in the cosmetic, personal care, home care, pharmaceutical and other allied industries will mingle among 135 exhibitors representing prime technology suppliers in the industry. Education, innovation and networking are key focal points during this event.

**RESERVE YOUR EXHIBIT SPACE NOW**
Reach hundreds of chemists in the cosmetic, personal care, home care, pharmaceutical and allied industries. Booth space is 10x10 foot sections and includes carpeting, electricity, one draped table, two chairs, wastebasket, standard booth sign, and 500 watt electrical outlet. [www.midwestscc.org/teamworks-registration/](http://www.midwestscc.org/teamworks-registration/)

**ATTEND TECHNICAL SYMPOSIUM – Meeting Marketing Demand: New Advances in Skin & Hair Care.**
Begin the day by attending the Teamworks Technical Symposium at 8:30 AM. The half-day educational session will highlight the latest product launches to give formulations an added edge. Keynote speaker is Ethan G. Foster.

**VISIT THE EXHIBIT HALL**
The Exhibit Hall is open from noon until 6 PM. With 135 exhibitors representing prime technology suppliers in the industry, plan your afternoon to ensure you meet with them all. To get a preview, check out the online exhibitor guide: [http://www.midwestscc.org/teamworks-registration/](http://www.midwestscc.org/teamworks-registration/)

**DON’T MISS THE FUN OF TEAMWORKS SOCIAL NIGHT – TUESDAY, APRIL 8**
Go to [www.midwestscc.org](http://www.midwestscc.org) to register for this great networking event - a party you won’t want to miss! 6-10 PM at Hoffbrauhaus Chicago - the first and only micro-brewery and beer hall to call Chicago home. Register early and save - $115.00 per person through March 14, 2014.

**CONTACT**
IAMi c/o SCC Midwest Chapter
Tel: 1-888-411-4264
Email: Teamworks@midwestscc.org

For more information visit: [www.midwestscc.org](http://www.midwestscc.org)
A message from our Outreach Chair!

I wanted to thank Lisa Hilson for working hard to encourage students to join us for a special student night at our January meeting. We brought awareness to 6 chemistry students that cosmetic science is a career option for them after they graduate. Four of these students are Phd candidates and two are first year undergrad students. Thank you to Solvay, Glenn Corp., Fitz Chem and Thor Specialties for sponsoring these students’ dinners.

We have some upcoming events and requests that we need your help with. Please let me know if you are interested in volunteering for any of the following events and I will provide more details. Thank you!

- **Opportunity for STEM professionals at the Museum of Science and Industry:**
  * `Black Creativity Jr. Science Cafe*

  In celebration of Black Creativity, from January 20th to March 1st, 2014, youth and families will be immersed in innovation through fun and engaging activities and events at the Museum. Black Creativity programming recognizes contributions and achievements by African Americans while inspiring youth to become the innovators of tomorrow.

  In order to provide exposure for African-American youth to careers, educational pathways and other opportunities in science, technology, engineering and medicine, the Museum is hosting a series of Jr. Science Cafes. Jr. Science Cafes are small, focused sessions that offer youth the exciting opportunity to interact directly with working STEM professionals while exploring scientific topics and discoveries in the world around us. During these conversations, students will challenge their own scientific curiosity and uncover the lives of scientists through active participation. These learning experiences change the perception of a “real” scientist by engaging professionals of all ages, backgrounds, interests, and career paths, sending the message that anyone can pursue a career in science, technology, engineering, and medicine.

  We invite you to lend your expertise and show off your cool career by leading a session!

  The Black Creativity Jr. Science Café dates/times are as follows:
  - Tuesday, February 4th: 10:15am & 11:15am
  - Saturday, February 8th: 11am, Noon, 1pm
  - Tuesday, February 11th: 10:15am & 11:15am
  - Wednesday, February 19th: 10:15am & 11:15am
  - Monday, February 24th: 10:15am & 11:15am

- **Event: Project Innovation, or Project “I” STEM Career Day for 8th Graders on Feb. 27, 2014**

  “We are asking if your company would help us empower these students by participating in the event or sponsoring us through a representative to present. We are also looking for a handful of corporate sponsors to donate $500 toward the event.”

- **Teacher Request: Inspire 7th and 8th Grade Students**

  Laura Turek, a science teacher in Palatine, IL is looking for professionals to speak to 7th and 8th grade students about our careers in science, the future of science, and STEM (Science, Technology, Engineering, Math).
Sustainable Ingredients and Innovation in Cosmetics*

Giorgio Dell’Acqua, PhD; and Giuseppe Calloni, PhD, Freedom Actives Corp.

*The present article is an abridged version of that appearing in the August 2013 issue of Cosmetics & Toiletries. Log in to CosmeticsandToiletries.com for free access to the full article.

Due to the introduction in recent years of innovative products in the cosmetics and personal care market, the awareness and demand for innovation, technology and science is growing among consumers. At the same time, products of natural origin that are eco-friendly and certified by a multitude of labels are increasingly entering the market, becoming more and more popular, and forcing brands and ingredient suppliers to source into the natural supply chain. Until now, the demands for innovation and nature have experienced parallel growth for different reasons according to consumer perception; i.e., the need for efficacy and the need for purity.

In the cosmetics and personal care market, the distinction between scientific and natural products is notable. The technological consumer looks at the scientific claims and innovations proposed first; the origin of the ingredients or story behind them is secondary. Regardless of the ingredient source, the technological benefits must be there. This type of consumer shops for perceivable efficacy—i.e., color change, wrinkle reduction, increased detergency, reduced body odor, etc.

The nature-driven consumer looks at the origin of the product and ingredients first, with a strong belief that nature carries a guarantee for safety, purity and gentleness. In this case, the consumer is more concerned about product safety than perceivable benefits. He or she prefers “free-from” claims and seeks information about the origin Considering these diverse views, how is it possible to create products that satisfy both, i.e., that bring the natural sourcing and sustainability linked to the ingredients, but also are innovative and scientifically proven? This article explores these concepts and a means to marry them: sustainability.

Technology

Technology and innovation are present in most consumer products, and cosmetic products are no exception. In the past, technology was more evident and strongly advertised in high-end products, but it has become transversal to the mass market and less exclusive. From body washes to sophisticated skin care creams, technological progress is evident to any consumer. Toiletries are offering milder and safer products by incorporating less aggressive surfactants and skin barrier replenishment ingredients, while skin care treatments contain increasingly potent actives, tested with the latest genomics technology. With this increased accessibility to technology, learning has increased, in turn raising consumer expectations and demand.
Technologies from the pharmaceutical and imaging industries are now flexible and affordable enough for application in cosmetics and personal care product development. Genomics, proteomics and metabolomics analysis, and devices that qualify and quantify skin profiles and wrinkles in a non-invasive ways are some examples. Both in vitro and in vivo testing protocols have been adapted for the needs of cosmetic formulators and scientists. The boundaries between cosmetic science and dermatological science are therefore thinner and push toward pharma-like products more than ever.

Nature

As noted, market demand for natural products has risen in recent years since natural products are identified with health and well-being. Biological products, i.e., those derived from biological agriculture, have experienced tremendous growth in the food and nutraceuticals supply chain in the last 10 years, and consumers eagerly seek the latest plants having health claims. Plant extracts like maca root; camu camu fruit; cat’s claw bark from South America; or baobab fruit from Africa are finding their way as supplements into the superfood category, containing high levels of vitamins, minerals or other active molecules. Certifications of biological agriculture, organic origin, fair trade, etc., are common means to inform consumers on the origin and supply chain behind products, but also to bring added value and justify market positioning and cost.

Cosmetics and personal care products are no exception, and have been flooded with many certified natural extracts or oils and their blends, claiming to address various cosmetic applications, mostly positioned in the antioxidant, soothing and regenerative categories. However, interesting to note is the fact that brands specifically focused on natural products often advertise the absence of synthetic ingredients more than the added value of natural ingredients. It is, therefore, a concept of purity and safety that is evidenced more so than scientific claims.

Sustainability and Challenges

In industry, including the cosmetics industry, sustainable development or sustainability is generally accepted as an unavoidable path for future product development. However, several constrains limit its implementation and applicability as a business model. For instance, an increasing number of individuals appointed to corporate social responsibility (CSR) manager positions in multinational companies suggests a structure and framework would need to be established and implemented at the industry level, but with the support of all actors and stakeholders in the process including suppliers, nongovernmental organizations (NGOs), government, etc., to help realize the sustainability model.

Further, dissecting the supply chain to calculate its sustainability is complicated. Various factors involved would require analysis—i.e., from sourcing and production, to shipping. The challenge is even greater when considering that some ingredients would enter the commodity supply chain as soon as demand increased and they became popular. This situation would rapidly deplete ingredients that were originally sustainable but are no longer, due to demand. The industry’s capacity to support the supply chain in a sustainable manner would, therefore, require a different business model, price structure, return to market, reduced demand, regulations, etc. This process would take time, but signs from emerging countries in their systems of trade are encouraging. Sustainable agriculture and farming, for example, is growing with the support of trade organizations, foundations, local NGOs and rural banks, although more needs to be done.
Conclusions

Today, it is possible to bridge the purest and most ethical natural ingredients with real scientific claims. Cosmetic scientists have access to technologies that bring value to natural ingredients and optimize their use in modern formulation. Extracts can be developed to bring safety and efficacy to the final application and validate, from a scientific view, claims by traditional users that previously lacked scientific evidence.

Clinical studies based on genomics and proteomics screening add scientific value to traditional extracts sourced from sustainable development protocols. For the first time, it is possible to understand the scientific mechanisms behind the traditional claims. Further data will be necessary to characterize these mechanisms and the genes involved, in particular in challenging conditions such as induced inflammation, wounds, pigmentation, etc., but the industry is moving the basis for using plant extracts from being identified as pure and natural, or ethno-botanically inspired, to a validated and scientific one. This translation from being just natural and socially driven to also being scientifically sound is a good example of the intersection between supply chain and science.

References

Send e-mail to giorgio.dellacqua@freedomactives.com.
11. M Hughes, Super food and drinks: Consumer attitudes to nutrient rich products, Datamonitor (2007)
How to get the most out of a cosmetic industry meeting or trade show
by Perry Romanowski

As a cosmetic chemist you are presented with ample opportunities to go to trade shows. It seems there is some kind of meeting going on every month. Trade shows and industry meetings are a great chance to meet lots of people, learn during excellent talks, socialize and even meet cosmetic science celebrities. When done right they are a lot of fun.

While industry meetings can be fun, they are even better when you make them productive. Remember your time is valuable and these meetings can help you solve problems at work, come up with new ideas, and even advance your career. Follow these steps to make your next cosmetic industry trade show productive.

1. **Figure out what you need.** Sure, a cosmetic science meeting is an excellent place to learn new things but you can do that by reading books, watching videos, and taking courses. If you are going to attend a trade show or scientific seminar you should strive to get more out of it. Make a list of things you want to accomplish. People you want to meet, questions you want answers to, or connections to people who can help you. Basically, go into the event with a plan.

2. **Do research.** While you’re figuring out what you need, take a look at who is going to be there. Who are the speakers, which companies will be there, who will be exhibiting. This will help you determine who you will meet and where you will spend your time. Typically, meetings have a website which lists the program, speakers, and companies. Go online to help with your research.

3. **Plan what you’re going to do.** Next plan how you will spend your time. If you can, list the names of people you want to talk to and figure out 1 key thing that you want to get answered from them. Begin with one thing but note that the conversation might expand to cover more questions that you have. Just make sure you know the one thing you’re looking to get answered.

4. **Connect with people.** Once you’ve got your list of people / companies you want to talk to, go seek them out. Do not get distracted by talking with your friends (you can see them later). Go meet the people you are at the meeting to meet. Invite them out for a drink (or coffee). Or just talk to them whenever you get a chance. Remember your time is valuable as is their’s.

5. **Learn to leave conversations.** Steer the conversation to your main topic. Don’t be afraid to interrupt and get right to your point, politely of course. Using the excuse that you have another meeting is effective.

6. **Meet with people after the main meetings.** Since most people are busy during the meetings, it’s often useful to connect with them after the main meetings. Meeting at a bar is particularly helpful. People who have a few drinks are a lot more open with information. If you don’t drink or like to attend night events you are at a massive disadvantage.

Bottom line. Trade shows and scientific meetings are great events to attend for cosmetic chemists. They can be lots of fun and you can meet people who can help solve problems and advance your career. But be sure to plan your trip and figure out exactly what you want to get out of it. It will be much more productive if you do.
Employment Opportunities

Regulatory Affairs Specialist
Avlon Industries, Inc

- Possess a recognized competence in analysis, evaluation and interpretation of toxicological data and ethics in the field of cosmetology.
- Have a good understanding of microbiology, to be able to take into consideration any microbiologically susceptible raw materials, comprehend preservation challenge test results.
- Be familiar with the EU chemicals legislation; the Classification, Labeling and Packaging (CLP) and REACH Regulations (1272/2008 and 1907/2006); be able to question the information in safety data sheets and specifications, such as levels of impurities
- Possess the practical background to assess any complaints for adverse reactions and monitor the levels.
- Advise and evaluate any testing done on human volunteers.

If interested, please send your resume to Karyla Klimkiewicz at karylajp@aol.com

Skin Care Scientist
Salon Commodities

Salon Commodities manufacturer of hair and skin care products located in Melrose Park, IL is seeking a Skin Care Research Scientist.

Position will be responsible for skin care products research and claim substantiation based on Bioengineering techniques, image analysis, patch testing, and other protocols.

The Ideal candidate must have a good working knowledge of these techniques along with basic knowledge of skin care. Company will be willing to train suitable candidate in the use of some of these techniques provided the candidate has a strong background in scientific research method and analysis.

Should have biological sciences or biochemistry background with a minimum of a B.S. degree, preferably M.S. or Phd. Please send resume and salary requirements to Karyla Klimkiewicz at karylajp@aol.com
**Senior Scientist - Product Development**  
**GOJO Industries, Inc**

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- Develops, identifies, and modifies new and existing formulations, technologies and platforms for improved performance and/or cost reduction
- Creates and develops new and improved products, innovative ideas, processes, protocols, techniques, and systems to support GOJO Purpose and Vision
- Develops and delivers technical communications to support GOJO science, product performance, off-label information and infection control strategies to both internal and external customers

**Education and Experience Required**
- Seven (7) to ten (10) years’ professional experience as a formulation or product development scientist
- Bachelor's Degree in Chemistry, Physical chemistry or Organic chemistry, or similar applied science field required.

*Please email resume to FadleyC@gojo.com*  

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