NORTHERN HIGHLIGHTS

The SCC Ontario Chapter's Newsletter

JANUARY 2015 **Volume LXVI**

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SCC ONTARIO CHAPTER MEETING

Navigating "Mild" Personal Care Products

-Gayle Fortin

JANUARY 29TH, 2015

PRE-REGISTRATION IS REQUIRED FOR THIS MEETING

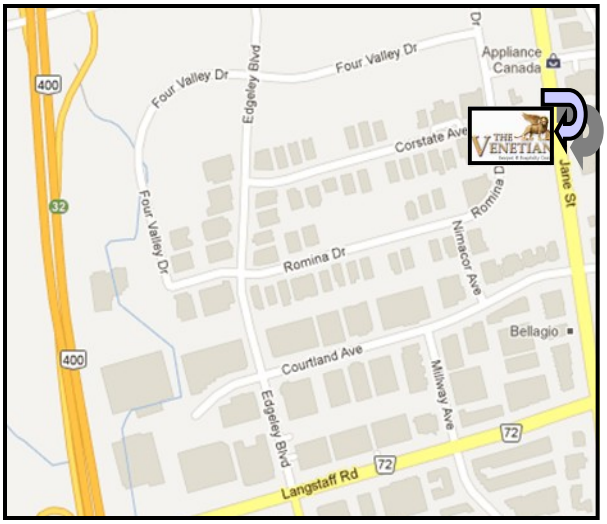
If you prefer you can reserve a spot by email or fax. Send us a note that you will be there. We will confirm receipt of your reservation. You can then either bring the payment with you or put it in the mail. Please make your reservation prior to January 26TH, 2015.

Please note:
Should you register and not attend you will be invoiced the meeting fee.
Students must have their payment in by Monday prior to the meeting. To make your reservation today contact **Rob** at:
rob.castillo@univarcanada.com
or by fax at (416) 740-2227 OR on-line at:
http://www.ontarioscc.org/registration.htm

"Navigating "Mild" Personal Care Products"
-Gayle Fortin

JANUARY 29TH, 2015

Location:	**The Venetian Banquet & Hospitality Centre** **219 Romina Drive, City of Vaughan,** **ON, L4K 4V3 (tel: 905-264-9960)**
Time:	**5:00 p.m. Cocktails**
	6:00 p.m. Dinner
	7:00 p.m. Presentation
	8:00 p.m. Adjournment
Fees:	**$45 pre-paid SCC member**
	$55 pre-paid non-member
	$10 pre-paid student
	$60 at the door



Abstract:

Over the years we have seen the industry respond to the "Mild" Personal Care market as it has moved from niche to mainstream. For better or for worse, whether based on very real biological sensitivities or effective advertising "Mild" and all its variations is on the Personal Care product label to stay. For those involved in formulating, marketing or selling products for the "Mild" personal care industry, this presentation will touch on consumer expectations, definitions, testing, chemical options and general formulation strategies.

Bio:
Gayle Fortin
Sales & Business Development Manager, StarChem Canada

For 25 years, Gayle has been involved in chemical manufacturing and supply to the Personal Care and Household industries. Her previous background at Stepan Company where she held positions in R&D, QC, Manufacturing and Sales provided a strong background and network in Personal and Household chemical markets. Now at StarChem, Gayle leads the effort to bring the StarChem name and its strong standing in Specialty Chemicals, into the fore front as a chemical supplier to the Personal Care and Household markets. Gayle lives with her family in Barrie Ontario. She loves to snowboard, travel and dabbles in the fine arts.

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18th Annual Holiday Dinner Dance
November 28th 2014

The Holiday Dinner Dance was a huge success again this year with 232 people attending the event! All were in good cheer as we started the evening with the ever popular Antipasto Table. We changed up the entertainment this year with the addition of **Matt Dean.** His unique style DJing kept the crowd moving all night long**.** The Venetian Banquet Hall and Hospitality Center put together a delicious dinner along with a sweets table that everyone really enjoyed. We would like to give a very special THANK YOU to **StarChem** for providing the table favours for the evening as well as the **SCC Ontario Chapter** for donating 80 gift cards to the prize table!

We would like to thank the following companies for generously donating to the prize table for the evening:

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Andicor Specialty Chemicals

Aquatech

Belvedere International Inc.

Cambrian Chemicals

Charles Tennant & Company

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Tempo Canada ULC

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Vivachem Inc.

Wayne Fretz Consulting

See all the Holiday Dinner Dance photos at:
http://www.ontarioscc.org/gallery20.htm
Special thanks to **Wayne Fretz** for taking all the great pictures!!

Holiday Dinner Dance Toy Drive a Huge Success!!!

The SCC Ontario executive committee is proud to announce that this years "Toy Mountain" toy drive at the Holiday Dinner Dance was a resounding success! Over 150 toys were collected from attendees for an extremely worthy cause. The SCC board hopes to make it an annual event.

Members of the organizing committee would like to extend their sincerest thanks to ALL guests who were able to bring a gift! Raffle tickets were given to all who participated which entered them into a draw for a grand prize.

Show up and you can WIN!!

The SCC Ontario board is pleased to announce the addition of an "Attendance Draw" for all the meetings this year. The rules are easy….be a member, attend the meeting and you could win. That's it…simple. A members name will be drawn each meeting and as long as you are at the meeting you will get $100!!!

The draw is a way for the board to show its appreciation for those members who attend meetings. It is one thing to be a member but another all together to show up, support, socialize and get educated. We feel we provide good value for your membership and encourage everyone to take advantage of it. See you there in 2015 and GOOD LUCK!

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SCC Dedicated to the Advancement of Cosmetic Science

SCC -About Our Organization

Dedicated to the advancement of cosmetic science, the Society strives to increase and disseminate scientific information through meetings and publications. By promoting research in cosmetic science and industry, and by setting high ethical, professional and educational standards, we reach our goal of improving the qualifications of cosmetic scientists. Our mission is to further the interests and recognition of cosmetic scientists while maintaining the confidence of the public in the cosmetic and toiletries industry.

Comprised of over 4,000 members, the Society of Cosmetic Chemists was founded in 1945 to promote high standards of practice in the cosmetic sciences. We serve as a focus and provide the proper forums for the exchange of ideas and new developments in cosmetic research and technology.

Since 1948 Chapters have been the lifeblood of the Society of Cosmetic Chemists. We now have 19 Chapters throughout the United States and Canada which conduct monthly meetings, educational seminars, suppliers' days and publish monthly newsletters. These Chapters are run by dedicated volunteers who lend their time and expertise to the smooth and efficient operation of each Chapter.

Download an application: http://www.scconline.org/website/about_scc/member_application.htm

A farewell message from the Chair. . . . . .

Reflecting upon our chapter events and initiatives in 2014, I am proud to have served as Chair of the Ontario chapter of the SCC. We had three evening meetings which were quite diverse in topics. From the use of special delivery systems, to post-marketing surveillance of cosmetics as well as a fresh market perspective from Good Housekeeping magazine.

We also had a full day regulatory update meeting was held in March, covering the Canadian, US and European regulations. Another full day seminar was held in September at our yearly Education Day. The topic of the day was "Claim Substantiation and Skin Aging" which was presented by Dr. Nava Dayan.

As for social events, our annual golf tournament, held on a warm July day, was enjoyed by all who attended. The Holiday Dinner Dance in late November offered great food, great fun, and comeradery which helped to jump-start the festive season.

I am now pleased to introduce and offer my well wishes for our elected officers for 2015, photographed below with our Area Director, Perry Romanowski: (left to right) Dorothy Maraprossians (Chair), Rob Castillo (Treasurer), Monika Melao (Secretary) and Shahin Kalantari (Chair-elect). I am certain that 2015 will be another great year for our chapter!

Andrea Boylan

2104 SCC Ontario Chapter Chair

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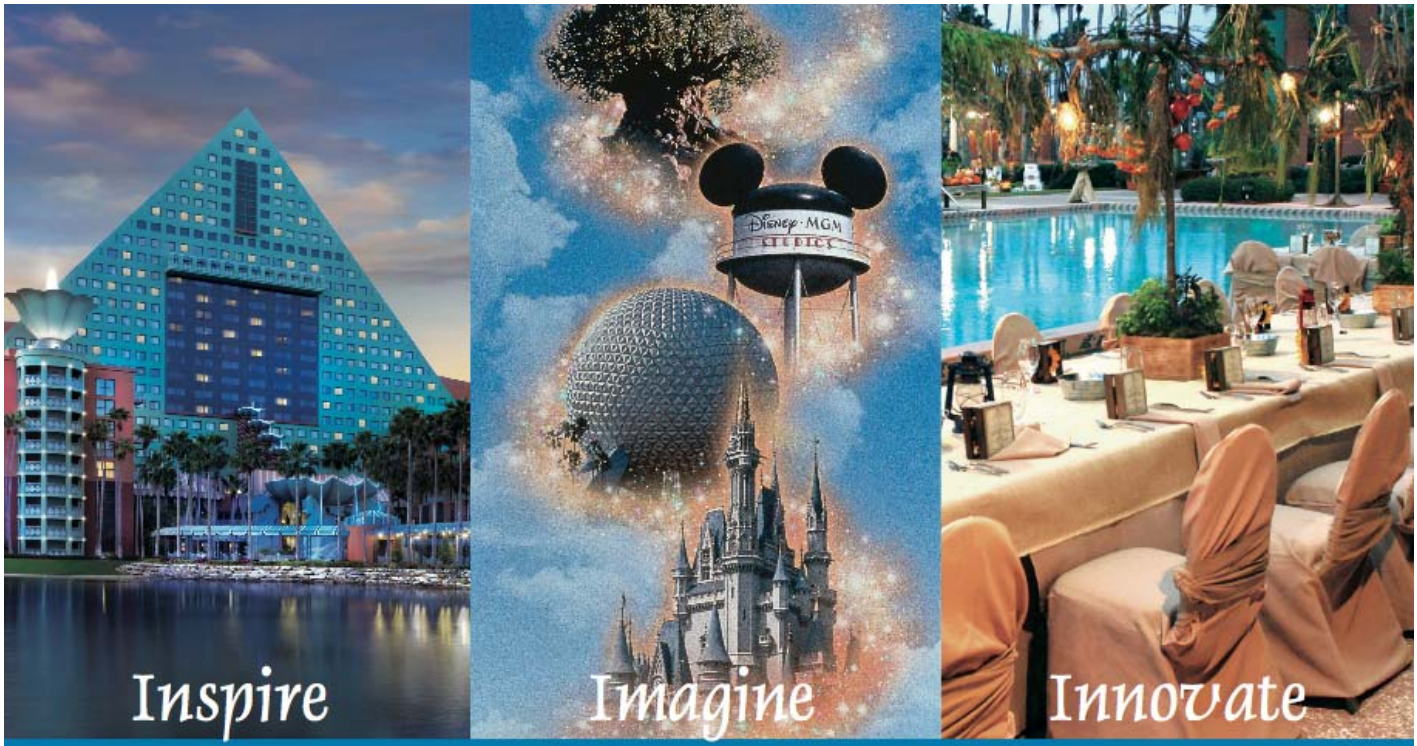

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Seneca College is developing a full time, one year, day time post graduate certificate in Cosmetic Science. We are currently seeking industry experts in the areas of raw materials, formulation and cosmetic regulations to develop curriculum and/or provide instruction. Ideal candidates will have excellent English skills and current expertise in the cosmetic industry. If you are interested, please forward your resume and contact information to paola.battiston@senecacollege.ca.

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SCC ONTARIO EMAIL REGISTRATION

As you may have heard, new anti-spam laws in Canada came into effect on July 1st of 2014. As such we have had to ask all members and anyone interested in receiving our periodic communiqués from SCC Ontario for permission to be put on our mail list. If you are no longer receiving our emails or want to be included on our circulation list going forward please click on this link below to register;

http://sccontemail.coffeecup.com/forms/sccontemailregistration/

Please note your email information will be used for SCC information purposes ONLY!

Trivia (see page 19 for answers)

Pick the correct letter for each answer and use those letters to create the mystery word at the end.

1. What Spanish artist said he would eat his wife when she died?

   A:Goya

   B: Dali

   C: Picasso

   D:Gaudi

2. Which is the largest ocean?

   H: Pacific

   I: Atlantic

   J : Indian

   K: Arctic

3. Who cut off Van Gogh's ear?

   M: His Mistress

   N: His Wife

   O: Himself

   P: Nobody

4. When did the First World War start?

   A: 1941

   B: 1918

   C: 1914

   D: 1915

5. Who said E=mc2

   F: Newton

   G: Faraday

   H: Einstein

   I:Tesla

6. Name a famous detective who smoked a pipe and played the violin.

   C: Miss Marple

   D: Hercule Poirot

   E: Sherlock Holmes

   F: Sam Spade

7. What colour is a panda?

   M:black and white

   N: Yellow-Brown

   O: White

   P: Black

8. Who was the first president of America?

   F: Thomas Jefferson

   G: Abraham Lincoln

   H: Theodore Roosevelt

   I: George Washington

9. Which planet is nearest the sun?

   C: Mercury

   D: Jupiter

   E: Saturn

   F: Mars

10. How many Oscars did Alfred Hitchcock win?

    A: 0

    B: 2

    C: 4

    D: 1

11. What language has the most words?

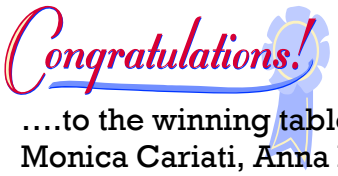
    L: English

    M: French

    N: Italian

    O: Mandarin

Involving chemical processes in living organisms:
Mystery Word:



….to the winning table at our November meeting comprised of Janice Cukier, Monika Melao, Monica Cariati, Anna Kaplan, Kippy Partridge and Amelia Walker.

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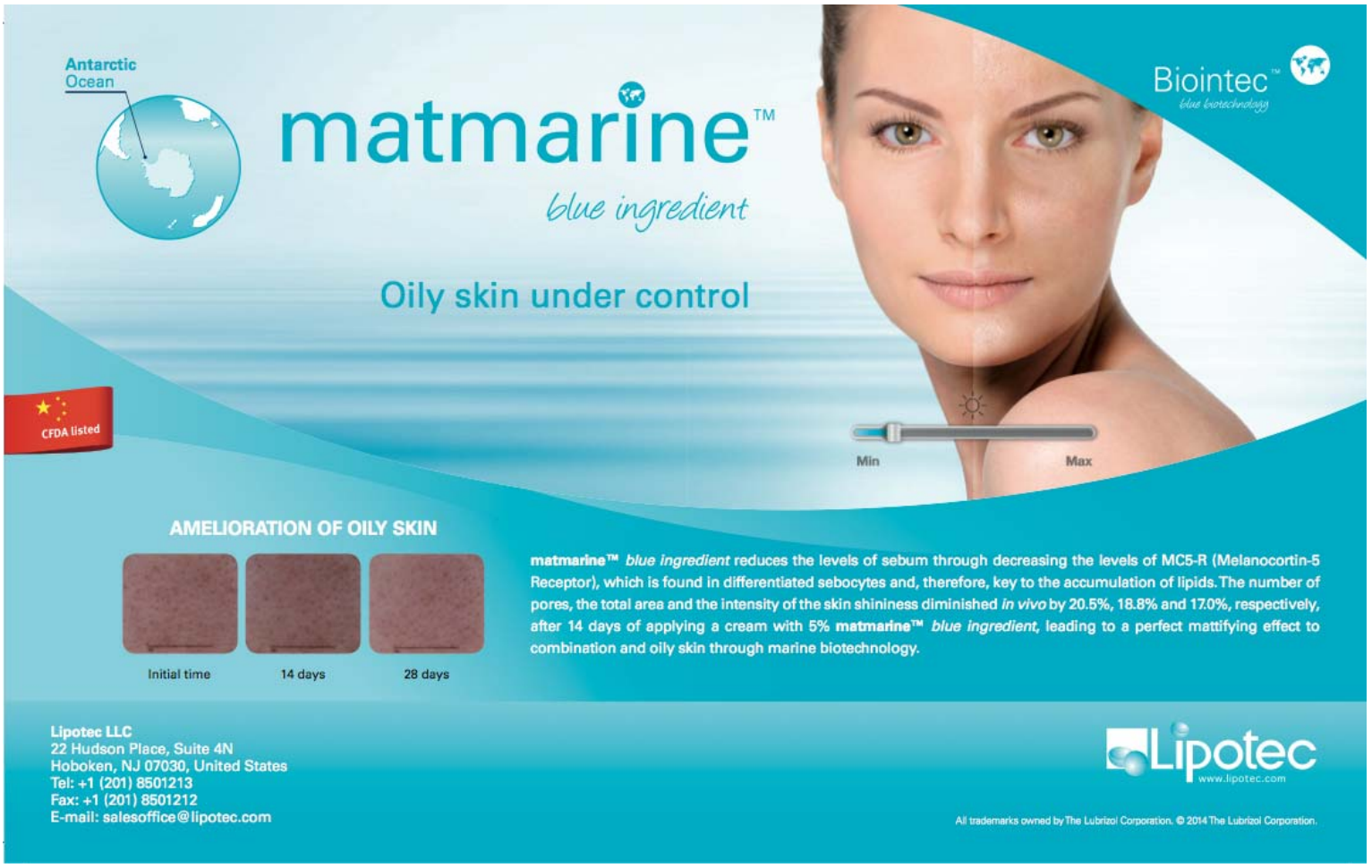

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How Do Cosmetic Raw Materials Get Their Names?

by PERRY ROMANOWSKI

I must confess. One of my favorite things about being a chemist is getting to say long words and knowing what they mean. I loved learning the IUPAC system for naming chemicals.

That's why I found ingredient lists on shampoos & conditioners baffling. I didn't know what most of the chemicals were. They were similar to IUPAC terms, but not quite. It turns out that the cosmetic industry doesn't use the IUPAC naming system. Instead, they follow their own system as laid out in the International Nomenclature of Cosmetic Ingredients (INCI) dictionary. This volume is produced by the main cosmetic industry trade group called the Personal Care Products Council (PCPC, formerly the CTFA but we'll save that for another time).

List of Ingredients

The first thing to know about cosmetic ingredients is the ingredient list. In the United States, every personal care and cosmetic product is supposed to have their ingredients listed. In the business, we called it the LOI (list of ingredients). Any ingredient above 1% is required to be listed in order of concentration (by weight). At 1% or below, the ingredients can be listed in any order. Typically, preservatives and dyes are listed at the end. In a future post, we'll show how this labeling requirement can help you formulate new products. Any ingredient above 1% is required to be listed in order of concentration (by weight). To be proper, companies are supposed to follow the naming conventions as laid out in the INCI.

Cosmetic Ingredient Naming Conventions

While many chemical names in the INCI seem arbitrary, there are some standard rules. The following will help you make heads or tails out of the ingredients on most LOIs. We can't list all the conventions here, but we'll point out the major ones and give examples.

Common Names

When they first came up with the INCI (originally called the CTFA Cosmetic Ingredient Dictionary) in 1973, many cosmetic ingredients already had names. These common names were incorporated into the dictionary even though they didn't follow any specific naming rules. Therefore, we use Glycerin instead of the more accurate Glycerol and Menthol instead of (1R, 2S, 5R)-2-isopropyl-5-methylcyclohexanol. Common names are also used for various natural ingredients like Lanolin and Beeswax.

Stem Names

Probably the most important thing to learn about naming cosmetic ingredients is to memorize this list of hydrocarbon stem names. It's a bit different than the IUPAC. So, if you have a 16-carbon alcohol, you call it Cetyl Alcohol instead of Hexadecanol. For an 18-carbon acid, you would use Stearic Acid instead of Ocatdecanoic acid.

Mixtures

You'll run into names like Cocamidopropyl Betaine that don't match any of the stem names. This is because the raw material uses coconut oil as a starting raw material. In these cases, you use an abbreviation of that starting material. Other ones you might see include Palm Kernel oil, Soybean oil and Sunflower oil. In a future post, we'll show the fatty acid distribution of these materials.

Continues on page 22

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Tempo Canada and Lonza Announce Exclusive Distribution Agreement for the Preservatives, Actives and Hygiene Product Lines

Lonza and Tempo Canada proudly announce the exclusive agreement to distribute Lonza's line of preservatives and protection systems, the anti-dandruff, biotechnological and natural actives for the Beauty Care market, and the registered biocides, preservatives and antimicrobial systems for use in disinfectants, sanitizers, institutional and household cleaning applications. These product lines will be available to Tempo's customers in Canada, effective 1 December 2014.

Recognized as a global leader in hygiene, Lonza has unequaled market expertise in the development of a broad range of preservation and protection solutions, as well as an extensive portfolio of EPA registered disinfectant formulated products and active ingredients for use in hospitals, veterinary clinics, restaurants, food processing plants, schools, office buildings, athletic facilities and institutions.

Lonza's competence also spans across the areas of advanced solutions to care and protect the skin and hair including bactericide-fungicide anti-dandruff products, distinctive active ingredients from novel sources, plant-derived actives and proteins.

"We have selected Tempo Canada for this strategic alliance because of their impressive sales and technical expertise, action orientation and customer focus. We expect this partnership to immediately strengthen Lonza Consumer Care in the various markets, and enable growth opportunities for our customers," said Michael DeGennaro – NAFTA Vice-President Sales Consumer Care of Lonza.

In describing this new agreement, Hank DeWolf – President of KODA Care – said: "We are very excited about the opportunity to extend a highly competitive portfolio of ingredients to our customers in fields as important as preservation, value-added hair and skin care and hygiene. We are equally proud to do so in partnership with one of the market leaders."

About KODA Care:
KODA Care (DeWolf, Glenn, GMZ Care and Tempo Canada) is the leading network of technical service and market-oriented distributors of specialty chemicals to the Personal Care, Color Cosmetics and HI&I markets in North America, specializing in delivering technologically advanced formulating solutions that are competitively aligned with today's market trends and tomorrow's industry forecast.

For more information contact:
Hank DeWolf
President – KODA Care
hdewolf@kodadistribution.com
401-434-3515

Press contact:
Julia Hernandez
Vice President of Marketing – KODA Care
jhernandez@tempo.ca
954-614-1902

Industry News (continued)

Tempo Canada ULC

Tempo Canada ULC is very pleased to announce the addition of **Ms Isabelle Bernier** as the new account manager for Life Sciences in their Montreal office! Isabelle has over 10 years experience in distribution sales, which includes the industrial, nutrition and pharmaceutical industries but primarily in recent years has been focused on Personal Care. Isabelle will be responsible for covering the entire Quebec territory for Life Sciences.

Isabelle's contact details are as follows;
Tempo Canada ULC
7575 Transcanada
Suite 500
St-Laurent, QC H4T 1V6
514.894.2223
Ibernier@tempo.ca

"As Quebec is an extremely important market for Tempo Canada we are very happy to have Isabelle aboard!"- Hank DeWolf - President - KODA Care

Trivia Answers (see page 12)

1. B:Dali

2- I: Atlantic

3- O: Himself

4: C: 1914

5: H: Einstein

6-: E: Sherlock Holmes

7- M: Black and white

8- I: George Washington

9- C: Mercury

10-A: 0

11-L: English

12. Mystery Word: Biochemical

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Programs and Privileges Of SCC Membership

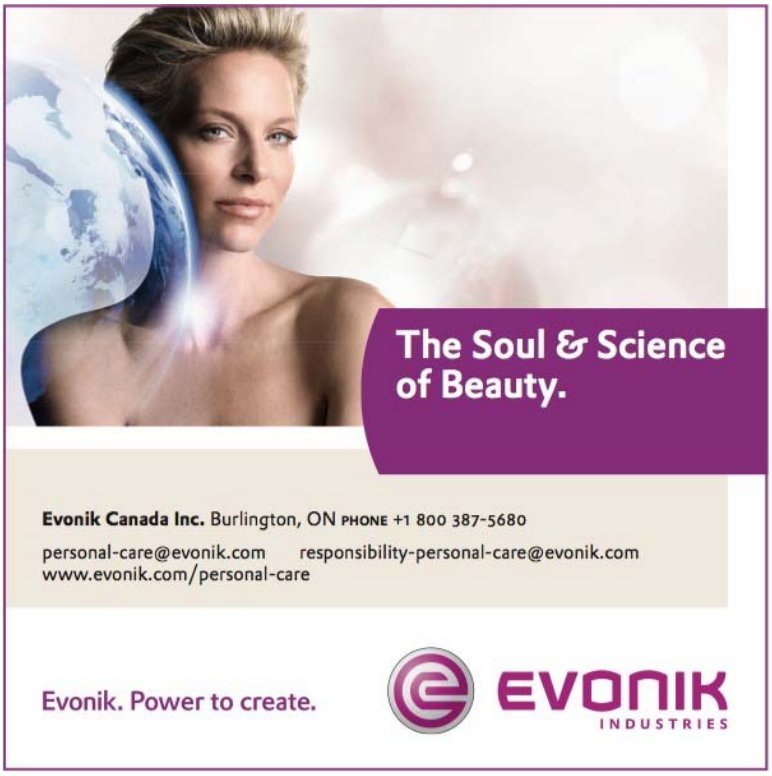
Journal - Membership includes subscription to the Journal of Cosmetic Science, the Official Journal of the Society of Cosmetic Chemists. The Journal contains technical papers on topics of interest to cosmetic scientists and is distributed six times per year.

Meetings & Seminars - The Society holds its Annual Scientific Meeting each December and its Annual Scientific Seminar each May. The Meetings and Seminars provide a forum for an exchange of current findings and technology on topics of global interest in cosmetic science.

Continuing Education Programs - Our CEP Programs are short courses taught by practicing cosmetic scientists and perfumers, all acknowledged experts in their disciplines.

Chapters - Each member is assigned to one of seventeen Chapters throughout the United States and Canada, according to his or her geographic location. Chapters hold local scientific meetings throughout the year, and many publish their own newsletters.

I.F.S.C.C. - The Society of Cosmetic Chemists is one of 42 member organizations within the International Federation of Societies of Cosmetic Chemists.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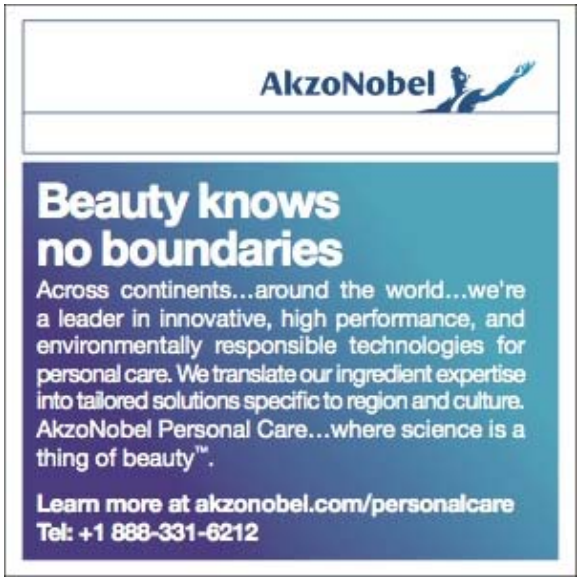
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Derivatives

The INCI tries to follow established conventions from other systems. For example, when you want to name an ether, you take the stem names from both fatty acids and add the term ether. Thus, a molecule made with a 14-carbon and 16-carbon chains connected by an oxygen would be called Cetyl Myristyl Ether. An ester of the same molecules would be Cetyl Myristate.

Nitrogen Containing

Hydrocarbons that contain nitrogen are amides and have the phrase included in their name. Therefore, Lauramide is used to describe a 12-Carbon molecule (Lauryl) that has a NH2 group on its end. If the Nitrogen has other hydrocarbons attached, those are also named. So, Lauramide DEA would be that same 12-Carbon molecule attached to a Nitrogen which also has Ethyl groups attached to it. When these Nitrogen containing compounds are turned into salts, the suffix "-monium" is added. So, a 16-Carbon attached to a Nitrogen with three methyl groups is Cetrimonium Chloride.

Polymers

A variety of conventions are used to name polymers. For Nitrogen containing polymers, the term "Polyquaternium" is used. There is also a number associated with the ingredient but it doesn't refer to anything chemically. It just happens to be the order in which the material was registered. Other polymers use common abbreviations. PEG is Polyethylene Glycol. PPG is Polypropylene Glycol, etc. Then a number is included to refer to the moles of ethoxylation in the polymer.

Silicones

For silicone containing materials, terms like Dimethicone, Cyclomethicone and amodimethicone are used. Whenever you see some form of these words in a chemical name, you know there is some silicone in it.

Colorants

Ten years ago, you used to see the abbreviation FD&C in front of many chemical colorants. Today, however, the INCI has adopted a simplified method for naming colors. They just list the color followed by a number (e.g. Yellow 5). This doesn't tell you anything about the chemical composition but you can get the structure by looking it up in the INCI. An alternative naming system is the EU one in which each colorant is assigned a 5-digit chemical index (CI) number. Yellow 5 in the EU is called CI 19140.

Miscellaneous Rules

There are many other rules that you'll have to learn over time. To give you a flavor here are a few more.

1 Water is just called Water. (Not deionized or purified or anything else. Just water)
2 Fragrance is called Fragrance no matter what compounds are used to make it. This is changing but for now, it's correct.
3 Botanicals use the Latin name of the plant or part plus the term Extract. So, if you use an ingredient taken from the leaf of a lemon, the ingredient is called Citrus Medica Limonum (Lemon) Leaf Extract.

Conclusion

The naming of raw materials in cosmetics share some characteristics with the IUPAC system you learned in Organic Chemistry. However, there are many differences and for some things it is impossible to determine the chemical structure from just the name. For more information, your best bet is to go to your company's library (or your city's) and take a look at the latest version of the INCI.

Article compliments of http://chemistscorner.com

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Speak out ...be heard!!

With a focus on education, the SCC Ontario Chapter is always striving to bring the highest quality educational seminars to our Chapter members. At the same time we like to entertain and foster a social environment. The problem is, you can't make everyone happy! That's why we need your feedback. Fill out a simple questionnaire on line and tell us what interests YOU;

www.ontarioscc.org/sccsurvey.htm

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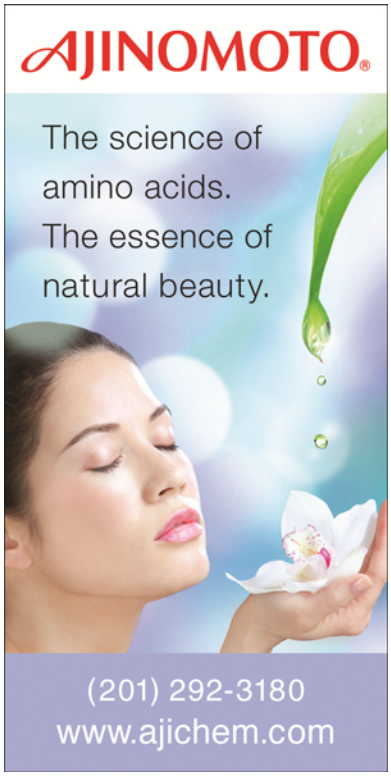
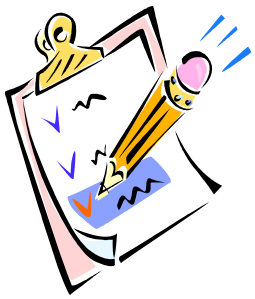


NEWSLETTER POSTING DATES FOR 2015

Here are the dates for 2015 that the Northern Highlights Staff plan to post the 5 newsletters for the year;



- January 17th
- February 18th
- May 7th
- August 27th
- October 15th

(or as close as we can get)

Should posting dates change throughout the year the most up to date list can be found at

http://www.ontarioscc.org/newsletters.htm

Presenters Welcome!!!

The SCC Ontario Chapter board is currently accepting submissions for presentations ! Interested parties can submit a presentation abstract and a biography. Your talk may be accepted for either a Chapter meeting or Education Day.

Please send all enquiries to Andy Halasz (speaker coordinator) at

ahalasz@rogers.com

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UPCOMING EVENTS

January 29 th, 2015 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting—Navigating "Mild" Personal Care Products -Gayle Fortin
March 11th, 2015 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting—TBA
May 28th, 2015 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting—TBA
July 21st, 2015 Caledon Woods Golf Club, Bolton ON	SCC Ontario 15th Annual Golf Tournament
September 17th, 2015 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting— Education Day
November 5th, 2015 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting—TBA
November 27th, 2015 The Venetian, Vaughan ON	SCC Ontario 19th annual Holiday Dinner Dance

ONTARIO CHAPTER SCHOLARSHIP PROGRAM
SOCIETY FOR COSMETIC CHEMISTS

The support of Cosmetic Science Education and Research are central to the goals of the Society of Cosmetic Chemists (SCC). The Ontario Chapter has developed a Scholarship Program available to Canadian University, College or High School students. In the past, the $1000.00 award has been presented to students from the University of Toronto, University of Waterloo and University of Guelph. The program began in 2003 and 14 students have received awards in the past.

The program is open to any student planning to complete research related to cosmetic science. Interested students are invited to submit a brief, one page research outline to Dennis Zuccolin, Director of Scholarships at dzuccoli@maccosmetics.com. The scholarship applications will be reviewed by the SCC Ontario Chapter Board members. Students awarded a scholarship can also apply for additional support (up to $1000.00) to cover research and development costs, training and conference expenses.

Successful candidates are encouraged to attend SCC meetings, volunteer at events, collaborate with members of the Society, prepare a poster presentation, write an article for the newsletter and/or make a brief oral presentation on their research at a chapter meeting.

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MEMBERSHIP

For those who would like to become members, yearly fees are $140 US. Applications are available from your Executive Committee or on-line at **www.SCCOnline.org**.

Please return the completed form at your convenience and reap the benefits of the SCC. For renewal memberships, please send payments directly to the SCC National Office. For your convenience, National will accept payment by **VISA, Mastercard or AMEX**. Please contact National for details.

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Address Changes??

Throughout the year many of our members change jobs or relocate and forget to notify the National Office. Without notification, these members may not receive Important mailings and eventually are made inactive. We have created a form that is now available on the SCC website which allows members to make changes to their information and it is sent to the National office. Please visit the following website to make your changes;

http://www.scconline.org