

TWIN CITIES CHAPTER

Society of Cosmetic Chemists

WINTER 2013, VOLUME 68, NO. 4

Dedicated to the Advancement of Cosmetic Science

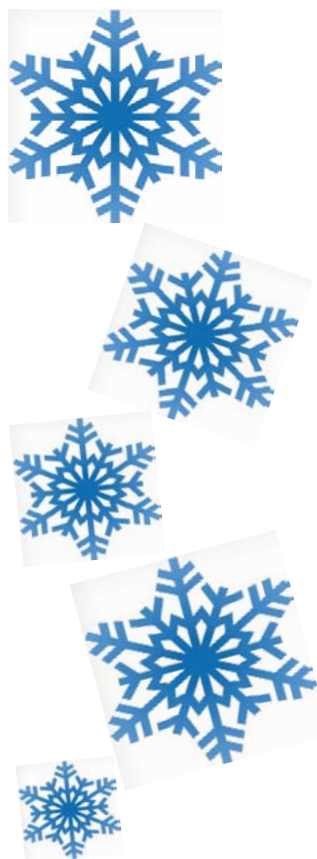
2013 MEETING DATES

DECEMBER 12 and 13, 2013

2013 SCC Annual Scientific Meeting and Showcase
Location: New York Hilton Hotel, NYC

DECEMBER 17, 2013

Twin Cities Chapter Holiday Party
Location: Mission American Kitchen & Bar



Annual TCC-SCC Event 2013 Holiday Party

Date: Tuesday, December 17th, 2013

Location:

Mission American Kitchen & Bar
77 7th St S, Minneapolis, MN 55402
612/339-1000

<http://missionamerican.com/contact-us/location-directions/>

Agenda:

6:30 - 7:00	Registration and Social
7:00 - 7:30	Hors d'oeuvre served
7:30 - 8:00	Round 1 game
8:00 - 8:30	Results of game 1 and raffle drawings
8:30 - 9:00	Round 2 game
9:00 - 9:30pm	Results of game 2 and raffle drawings

Cost:

TCC-SCC members can bring a non-member/guest at no charge!

TCC-SCC Members: \$80.00

Non TCC-SCC Members: \$100 .00

Pay Online! Please visit <http://www.tccscc.org/> to pay online.

We also will accept cash or check at the door.

Reservations:

Call the TCCSCC Reservation Line with names of attendees at 763/951-4083 by Wednesday, December 11th. If RSVP is after December 11th, please contact Debbie Carroccio at Debbie.Carroccio@univarusa.com.

Toys for Tots Fundraiser:

Bring a toy to donate for the Toys for Tots program and receive a free gift bag with cosmetic goodies!



Donations/Contributions:

Would you like to make a donation? We are now accepting donations of products for the Gift Bags and cash/gift cards for prizes. Thanks to all who have already donated!

SCC Twin Cities Chapter Chair Chat



Dear Chapter Members,

We are approaching our final meeting of the year. Our TCCSCC Holiday Party will be held on Tuesday, December 17 at 6:30pm. This year we are trying a new venue and the party will be held at Mission American Kitchen Bar in Downtown Minneapolis. Members can bring a non-member to this event free of charge.

I hope to see everyone there! It should be a fun event to close out a great year.

We had a very successful October lunch meeting at Smack Shack with Guy Vincent speaking about fragrances. It was our best turn out of the entire year. Hopefully, we can continue to offer meetings at a variety of times and locations in 2014 in an effort to accommodate everyone's schedules.

Our November meeting also had great feedback. Julia Hernandez spoke about skin and hair market trends for the upcoming year. It was very interesting to hear about the latest innovations in our industry.

As always, we are looking for help to find interesting speakers and locations for our meetings. Please let the board know if you have any suggestions.

As 2013 comes to a close, please remember to renew your membership by December 31. At last count, 68% of our chapter had sent their membership renewal into national. Our board continues to work on chapter incorporation and insurance in coordination with national. These are important initiatives and our information has been submitted for review. An update to both of these endeavors should occur early next year.

Thanks to everyone for making 2013 a fantastic year for the Twin Cities SCC!

Best,

Maggie Vold
2013 Twin Cities Chapter Chair



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Article

Cosmetic Industry Sales and Market Distribution

by PERRY ROMANOWSKI on 12/02/2013

As a cosmetic formulator or cosmetic industry entrepreneur, it is helpful to understand the market and where cosmetics are sold around the world. The challenge with market data is that it is difficult to collect and rarely given out for free. Companies like Euromonitor and IRI compile industry sales market data and typically sell them in expensive reports. But if you follow some of the industry magazines or dig up some other sources, you can find information that is relatively up to date. Here is some data about the cosmetic industry from 2012.cosmetic-industry

Size of the cosmetic market

Sales in the cosmetic industry were approximately \$430 billion (US) dollars in 2012. To give you a sense of the size, the entire world economy is about \$48 trillion (US). So while the cosmetic industry is large, it is only a small portion of the entire world economy. However, it is much bigger than industries like professional sports which is only about a \$25 billion industry.

Who is buying the most?

In terms of percentage of sales, Asia-Pacific generates the most and Western Europe generates is in second. A complete list of the distribution of cosmetic sales is as follows.

Asia-Pacific – 28%
Western Europe – 23%
North America – 18%
Latin America – 18%
Eastern Europe – 6%
Middle East / Africa – 5%
Australasia – 2%

What cosmetics are people buying?

Another important thing to know about the cosmetic industry is how much of everything people are buying. If you are looking to get into the cosmetic industry it is a good idea to go where the money is. And right now, the money is in skin care products. Skin care cosmetics make up about \$99 billion in sales. Hair care sales account for about \$75 billion. Color cosmetics represent \$54 billion and fragrances make up about \$43 billion. The rest of the industry sales are made up of miscellaneous personal care products such as oral care and antiperspirant/deodorant.

While this overview gives you a sense of what people are buying, how much, and where, it is interesting to note that the distribution of sales is not equal across the world. The sales of skin care products in Japan are much higher than hair care products whereas in Latin America, the sales of hair care products are much higher than skin care. Different populations from around the world want different products. When you are formulating your cosmetics it is important to get local market data when deciding which type of cosmetic would best sell for your area.

Read more at:

<http://chemistscorner.com/cosmetic-industry-sales-and-market-distribution/>



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Cosmetic Science Tips

by PERRY ROMANOWSKI on 11/04/2013

We had an interesting question posed by one of our readers who has a background in Chemical Engineering. Specifically, he wanted to know if there were some general guidelines for scaling up a formulation and creating a manufacturing procedure. Since we've never written specifically about this in the past, here are eight tips that can make your scale up from the lab to the production plant easier. While none of these tips will apply to every formula they are a good guideline to help you craft your manufacturing procedures.

1. Start with abundance

When making a batch you should fill the tank up with the ingredient that is the most abundant in the formulation. Since the vast majority of formulations are water-based, this typically means you fill the tank first with water.

2. Put in your powders

Since many water soluble powders can take a long time to disperse or dissolve, it is best that you get those ingredients mixing. This will speed things up considerably. You also don't have to necessarily wait until every bit of the powder is evenly mixed into the formula before adding more ingredients on top.

3. Heat helps (usually)

Even if a formulation doesn't need to be heated to melt the ingredients, it is often helpful to heat up the batch a bit to speed things up. In general, warmer ingredients take less time to blend. Note that this is not always the case. In fact, cellulose raw materials often go into solution faster when the water is cold.

4. Go 10 degrees C higher

When you are creating an emulsion or working with solids that need to be heated past their melting point, a good guide for manufacturing procedures is to heat the batch 10 degrees C higher than the highest melting point of the ingredients you are using. For most emulsion this means your batch should be anywhere from 75 — 80C.

5. Twenty minutes of mixing

While it depends on your mixing tank, a minimum of twenty minutes mixing after blending the oil and water phase together is needed. If you don't have good turnover it could take a lot longer.

6. Add fragrances and preservatives last

Since these ingredients can break down when heated, it is best to add them at the very end when all your heating and cooling is completed. This will minimize ingredient degradation.

7. Color early

Add colors early on in the batch and check the color versus a color standard. If you make a mistake you can easily pitch the batch without much cost.

8. Neutralize at the end

Finally, neutralize your formulas that require it (gels & anything with Carbomer) at the end. This should be the last ingredient you add. It will help minimize the amount of air you get in the formula.

Of course, these are just general guidelines and every specific cosmetic formulation is going to be different. Sometimes things that work easily in the lab don't work so easily in a 2000 gallon tank so it will take some experimentation.

Read more at:

<http://chemistscorner.com/>

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November Meeting & Officer Installation



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Minnesota Green Chemistry 2014

Connecting Policy, Technology and Economy

Thursday, January 16, 2014 from 8:00 a.m. – 5:00 p.m.

University of Minnesota, Carlson School of Management

[Click here](#) for more information and registration

Early Bird rates extended to Friday, December 13!



The Minnesota green chemistry sector is poised for growth, due in large part to the high value and potential environmental and health benefits that new, safer and innovative green chemistry products provide. Policy at both the state and national level can play a key role in supporting industry development and directing it in ways that maximize benefit to citizens, communities and the environment. At the fourth Annual Minnesota Green Chemistry Forum Conference, we will explore this intersection of policy, technology and economy in the Green Chemistry sector to illuminate the benefits, challenges and opportunities of fostering a business sector that also helps meet environmental, climate, energy and health goals. This day-long conference will include panels, break-out sessions, and keynotes by **Marc Verbruggen**, CEO of Natureworks LLC, and Minnesota Secretary of State **Mark Ritchie**.

With over 200 individuals representing more than 100 business and organizations, Minnesota Green Chemistry 2014 offers a valuable networking opportunity for Minnesota's green chemistry industry.

Sample of Speakers to Date

Consumer Demand

3M | Target | Segetis | Fiberight | Healthy Legacy | Pace Analytical Services, Inc. | NatureWorks LLC

Research, Education and Technology Transfer

St. Catherine University | University of Minnesota | American Chemical Society | The Actives Factory | University of Massachusetts Lowell

Feedstock Innovation

University of Minnesota | Fiberight | Segetis | The Actives Factory | West Central Research and Outreach Center

Business Executive Perspective

Aveda | NatureWorks LLC | Segetis | Fiberight

Policy and Practice - Collective Momentum

Minnesota Office of the Secretary of State | BioBusiness Alliance of Minnesota | The BioEconomy Coalition of Minnesota | Green Chemistry and Commerce Council

A detailed agenda can be [viewed online](#).



SCC Midwest Teamworks 2014

SCC Midwest Chapter **TEAMWORKS 2014**

The premier industrial trade show for
the personal and home care industries
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April 9, 2014 8:30 AM-6PM

Social Night April 8, 2014

Donald E. Stephens Convention Center
Rosemont, IL (Chicago)



Show Attendance is FREE!

Attendee
Registration

Exhibitor
Registration

Sponsorship
Information

Preview the exhibitors in our Online Guide!

Technical Sessions: 8:30 a.m. - 12 p.m.

Teamworks Expo: 12 - 6:00 p.m.

Technical Symposium Call for Papers Now Open!

This year's theme, "*Meeting Market Demand: New Advances in Skin and Hair Care.*"

Abstracts should be completed using this form: [Call for Papers Application](#)

Applications are due no later than *December 15, 2013*.

Abstracts must contain a 2-4 sentence statement or paragraph for each of the following points:

1. the paper's specific objective,
2. statement of methods used in the research,
3. resulting data obtained and (d) statement of conclusion.

Materials or ingredients presented in the paper must be referenced using INCI, IUPAC or generic nomenclature. Equipment at the Rosemont Convention center is PC interface only so please plan on making your presentation in Power Point software.

- All presenters will be required to submit Preprints 4 weeks prior to presentation (minimum of 600 words, maximum of 2 pages, including figures).
- Presentation slides will be required 2 weeks prior to presentation (maximum of 30 minutes to speak) to be uploaded into the Teamworks 2014 template and placed in presentation order to ensure a smooth transition between speakers.
- Abstracts should be similar in quality to those submitted to National SCC for the Annual Scientific Seminar.
- All presenting authors **MUST** register for the Teamworks 2014 Trade Show
- Questions? Contact : TeamworksSymposium@midwestscc.org

For questions or for more information contact Teamworks 2014 Business Office

Lynnda Nelson, IAMI at 630-268-0656 or teamworks@midwestscc.org