

New training centre opened

Croda International Plc has celebrated the grand opening of its Collaboration & Training Centre (CTC) and the expansion of its alkoxylation facilities in Singapore. The inauguration ceremony was officiated by the guest-of-honour, Mr Lim Kok Kiang, assistant managing director from the Singapore Economic Development Board (EDB), and Mr David Barraclough, president of Croda Asia Pacific. Attendees included representatives from the EDB and Croda's customers, suppliers and other key business partners.

Croda has had a long presence in Singapore, with the opening of its first sales office in 1985. In 1990, Croda Singapore started manufacturing esters and in 1999 moved to Jurong Island to start up its first integrated alkoxylation plant in Asia.



The expansion of the alkoxylation capacity and related infrastructure improvements on Jurong Island will be commissioned by Q2 2015. This will significantly increase Croda's ability to meet the rising demand for its speciality ingredients from its Consumer Care and Performance Technologies customers throughout Asia.

Croda's new CTC is located at One North Singapore, Singapore's R&D and High Technology Centre for Biomedical Sciences and other high-tech industries. A*STAR and many of Croda's customers and suppliers are located in this hub which provides a vibrant and creative environment for the company to closely collaborate with its partners to bring quicker and better innovations to the Asian markets.

Croda's new CTC includes a demonstration centre that will be used for training its regional team and its customers on the use of its ingredients in formulations. It also includes state-of-the-art product validation claims substantiation laboratories to test its products along with a skin and hair salon to assess the needs of consumers in Asia.

Award-winning technology

Recognising its novel approach to cosmetic ingredient science, Inolex Incorporated has been awarded the 2014 Frost & Sullivan Global Personal Care Product Innovation Leadership Award for Emulsense, a natural cationic agent for hair conditioning and skin care.

Emulsense improves the conditioning features in consumer hair and skin products and has non-GMO, palm free and biodegradable properties. In addition to being non-toxic, Emulsense is derived only from the

alcohol in the Brassica plant and fermentation of an amino acid.

"This award signifies a great deal of effort," stated David Plimpton, chief executive officer, celebrating the achievement. "I applaud the cutting-edge, customer-driven focus of our Research and Development team. Emulsense, as many of our products, proves that performance does not have to be compromised in the natural arena and we are capable of finding alternatives."

New marine active contours the body

Actigym marine ingredient from Lipotec has proven efficacy in increasing the release of adiponectin from adipose release. This protein is released under aerobic training conditions and signals the skeletal muscle to enhance metabolism of tonic fibres (type I) and their mitochondrial activity, so they can provide extra support to arms, legs and the abdomen.

To measure the body toning activity of Actigym marine ingredient, an *in vivo* test was performed on a selected panel of women volunteers between the ages of 35-50 years old with sedentary life styles. The panel was divided into three different groups: the first group used a cream containing 5% of the active ingredient in arms, abdomen and thighs for 56 days, the second combined the treatment with standardised exercise (with a personal trainer twice a week) and the third group completed the same exercise while applying a placebo cream.

After 28 days, volunteers with sedentary lifestyle saw reductions of up to -2.8 cm in abdomen contour and up to -2.1 cm in thigh after 56 days of treatment. This trend was also evident in arms.

Results were even more impressive in volunteers who used the treatment in addition to performing standardised exercise. Therefore, this novel marine ingredient can be adapted to a wide range of applications accommodating the lifestyles of modern consumers.

Actigym marine ingredient is produced by a microorganism inhabiting Bermuda (*Bacillus* sp) and is part of Biointec blue biotechnology.

COMMENT

Sun care demands scientific evidence

With the emergence of the internet as a marketing tool, it is phenomenal how quickly trends and news of new products can circumnavigate the globe. As ever, this can be both a positive and a negative thing.

As revealed on page 10 in this issue of *Personal Care*, a new product launch from the US managed to suddenly make headlines across Europe based on its incredible claim to offer UV protection in a drinkable delivery system. This claim was immediately pounced on by newspaper editors who rightly supposed their readers would like to hear about a new way of protecting their skin, but did not look too deeply for evidence to back up the claim.

It does not need explaining how dangerous ineffective UV protection could potentially be, and also how damaging

cases like this could be to the concept of oral dosage sun care, which could eventually overcome issues such as proper application and waterproofing which are inherent with topical products. There has been great progress in recent years developing new marine-derived ingredients in this area and *Personal Care* will continue to report back with news as we receive it.

There is growing recognition of the importance of sun protection for all skin types, but this field of work demands rigorous attention to the proper processes and scientific evidence, rather than relying on unsubstantiated customer testimonials to back up headline-grabbing claims.

Richard Scott
Editor

Asian production capabilities enhanced

Clariant has launched enhancements to its production capabilities and service support for its customers in Indonesia and South East Asia and Pacific at an official ceremony at its Tangerang site. The significant increase in production capacity and upgrading of local facilities will better support the strong growth in demand for pigments, masterbatches, personal care, home care and industrial care ingredients.

The investments by the Business Units Industrial & Consumer Specialties, Masterbatches and Pigments highlight Clariant's commitment to strengthen its long-term provision of services to customers in Indonesia and SEA&P. Clariant is represented in eight locations in Indonesia, with approximately 800 employees across its six production sites and three application and technical centres.

Clariant's extension of its production and service capabilities at Tangerang includes doubling of existing production capacity and an enlarged application development laboratory to enhance support for customers in the personal care and industrial care sectors. The upgraded facilities have been awarded ISO 22716



Cosmetics Good Manufacturing Practice (GMP) certification. Also, certification of the Tangerang site with ISO 50001 Energy Management System. This benchmark certification promotes systematic energy savings and better environmental performance.

Hariolf Kottmann, CEO, underlined the strategic significance of the investment during the opening ceremony: "The future of Clariant will be decided in Asia, and we see Indonesia as a focal point for our sustainable growth in the SEA&P region. The investments in production capacity, product range and service enhancements demonstrate our belief in Indonesia's potential."

Affiliate office opened in São Paulo, Brazil

Indena has announced the opening of an affiliate in São Paulo, Brazil (Indena Brasil Ltda). This new affiliate will play a key role in enhancing the company's presence in Brazil and, strategically, overall in the continent, to further support Indena's distributors and markets. The Latin American market today is showing some remarkable signs of growth in the pharmaceutical, nutraceutical and cosmetic field, which are the markets historically followed by Indena.

"By opening a new affiliate in São Paulo we are getting closer to our existing customers, being able at the same time to further improve our growing client base in the region," commented Daniele Giavini, managing director of Indena. "We will be able to better meet their needs, providing the high level quality that Indena has been supplying for more than ninety years in the market."

Congress to be held in China

The 11th International Congress of the International Society of Cosmetic Dermatology will be held in Beijing, China, from 26 to 28 September this year.

Many well-respected professors will attend this meeting and give lectures, including Prof Pierfrancesco Morganti, Prof Henry W. Lim, Prof Philippe G. Humbert, Prof George Cotsarelis, and Prof Sewon Kang. New concepts and new technology in cosmetic dermatology will be the major topics of discussion. These include advances in laser treatment, use of retinoic acid, skin rejuvenation, and dialogue between the East and West on antioxidant usage. The Congress will also provide an opportunity for participants to meet old friends and make new friends.

New director appointed

Germany-based Cremer Oleo has hired a new director for the Cremer Care division. With effect from 1 July 2014, Dr Fernando Ibarra is taking over the responsibility to further develop the business for Cremer Care globally. He has been working as global sales director and head of technical marketing at Dr Straetmans for the last 7 years. Bringing in his technical expertise and experience in product development and international sales, Dr Ibarra will be in charge of growing Cremer's cosmetic business with a focus on specialties.

Patrick Knüppel, spokesman of the executive board at Cremer Oleo, said: "Dr Ibarra is a well-known expert in the cosmetic industry, and

we are happy that he is joining us. We have a business strategy that focuses on the further development of our portfolio, and we will implement this new strategy step by step."

"For a business director, this is an ideal environment in which to develop the company," said Dr Ibarra. "We have all technologies available, including R&D and an application lab. Sourcing with respect is part of our philosophy and is demonstrated through our RSPO membership. But we are going one step further and developing our portfolio to include palm oil-free and organic products as well. There will be many innovations from Cremer Care in the years to come."

Natural exfoliants range expanded

A&E Connock has unveiled its latest extended portfolio of natural exfoliants to the personal care trade in a series of new initiatives designed to assist manufacturers making the transition from microbeads to natural ingredients in their exfoliant products.

A vibrant brochure showcasing the wide variety of characteristics and colours of ingredients available in the range has been

sent to over 5,000 buyers and R&D personnel across the world and a new natural exfoliants 'micro website', where formulators may order free samples online, is now live at www.connock.co.uk

"With many manufacturers committing to phase out the use of microbeads over the next few years, we are ideally placed to help formulators identify and integrate suitable

natural alternatives," commented Tim Connock, A&E Connock's MD.

Their natural exfoliants offer a wide range of functions and possibilities to the formulator, from the light abrasive effect of ground loofah to the more aggressive scrub qualities of pumice. Also featured are beads derived from jojoba and castor which, while white in colour, provide a natural and environmentally positive option.

Fighting against ageing resulting from glycation

Elasticity loss and tissue stiffening are signs of ageing resulting from glycation. To fight against these occurrences, Silab offers Deglysome, a double-effect active ingredient capable of limiting cellular and tissue damages caused by glycation and Advanced Glycation End products (AGEs).

By reducing production of AGEs and thus glycation of dermal proteins, Deglysome limits the damage caused to fibroblasts and their environment.

Rich in sulfated galactans derived from the *Hypnea musciformis* algae, Deglysome:

- Protects the cytoskeleton by maintaining vimentin organisation and preserving synthesis of the extracellular matrix proteins.
- Supports the matrix network by stimulating the formation of collagen and fibrillin networks.

Thanks to its targeted actions, Deglysome strengthens tissue functionality and allows the skin to keep its elasticity and appear younger. A genuine shield against glycation, Deglysome is recommended for all anti-ageing and firming treatments.

Expansion continues

Continuing its quest to develop innovative active ingredients, Greentech is now working even more closely with its sister companies Greensea (marine actives) and Biovitis (microorganisms).

Further to the expansion announced last year, Greentech has grown further to implement two new laboratories. One microbiology laboratory dedicated to microbiological analysis as part of its daily quality assurance process for all its ingredients, and one new R&D laboratory specialising in fermentation technology. Greentech is now creating original actives from the synergy of the botanical and microorganism worlds.

in-cosmetics 2014 in Hamburg saw Greentech launch two new brand ranges of actives: the Probiophytes and Ferment'Actives. Probiophyte Fresh is a unique bacterial ferment active, which specifically targets the bacteria that cause body odour without altering normal



body flora. Ferment'Actives are 'super actives' obtained by customised, controlled fermentation.

Ferment'Active Goji Skin protection contains 3.3 times the amount of polyphenols compared to a regular goji extract. Ferment'Active Raspberry Brightening contains 38 times the amount of AHAs compared to a regular raspberry extract, while Ferment'Active Pomegranate Anti-ageing has an antioxidant power 1.5 times greater than a classic pomegranate extract.

US show a great success

The New York Society of Cosmetic Chemist Suppliers' Day was held 13-14 May 2014 at the New Jersey Convention and Exposition Center. There were more than 6,700 registered attendees from cosmetic formulation and manufacturing and raw ingredient suppliers. According to Steve Neidenberg, NYSCC Chair: "We were thrilled with this year's attendance and growth. It's a positive sign that there is a higher level of economic confidence." Suppliers' Day has grown over the years and attracts attendees from 47 countries from around the globe.

The NYSCC, in conjunction with its world renowned Suppliers' Day event, assembled a programme of experts to explore Brazil and its immense opportunities, which was held the day

before the opening of Suppliers' Day. Nearly 200 industry professionals attended this session to learn more about Brazil's biological diversity, which is the largest in the world. It is one of the most ethnically diverse countries and a major consumer of personal care products and fragrances. According to Steve Herman, NYSCC Advisor: "As more companies are embracing globalisation to reach new customers in new markets, a greater understanding of consumer preferences, important product types, and regulatory issues is essential."

The next NYSCC Suppliers' Day will be held at the New Jersey Convention and Exposition Center on 12-13 May 2015. India will be the focus of the 11 May seminar.

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Biodiversity partnership planned

As part of the International Day of Biological Diversity, Symrise has announced its strategic partnership with the Global Nature Fund (GNF) and the Union for Ethical BioTrade (UEBT). Together they will work to preserve biodiversity around the world.

The non-profit organisations will support Symrise with the implementation of its recently issued biodiversity concept. It is based on three pillars: The sustainable sourcing of natural raw materials, the eco-conscious design of Symrise's sites and raising awareness among employees on preserving biodiversity. Symrise has set itself specific goals that it aims to reach by 2020.

"Biological diversity helps secure the long-term



success of the company, as we depend on natural raw materials," said Dr Felix Schuppert, a member of the Symrise Sustainability Board and head of sustainable purchasing. "Intact ecosystems and the diversity of nature are an

irreplaceable source of raw materials and inspiration for flavors, fragrances, cosmetic and functional ingredients."

"There is another important aspect to our commitment to biodiversity besides ensuring raw materials supplies," added Dr Helmut Frieden, head of the Symrise Sustainability Board and responsible for compliance. "We also want to take advantage of entrepreneurial opportunities." That is why Symrise had GNF and the corporate consulting firm dokeo perform a biodiversity check in 2012 to analyse both entrepreneurial risks stemming from a loss of biodiversity as well as possible business opportunities arising from effective commitment to maintaining diversity.

Virtual training centre

DuPont Tate & Lyle Bio Products Company LLC has launched a virtual Cosmetics Science Center offering free, video-on-demand, cosmetic science training modules.

The new cosmetic science training website is designed for new formulators, experienced formulators desiring a refresher and marketing or sales professionals working in the industry who would like some basic technical training in the area of cosmetics science.

Irwin Palefsky, president of Cosmetech Laboratories and knowledgeable consultant in the cosmetics and personal care industry, is the speaker for the six introductory modules. Topics include 'Introduction to Formulation Basics', 'Emulsifiers', 'Viscosity, Rheology and Preservation', 'Producing Emulsions' and 'Shampoo Formulation & Other Surfactant Systems'. Additional modules will be produced for the website over the next few months

and presented by other industry consultants.

"The presentations were intended to provide a basic understanding of the chemistry and functionality of the ingredients used in topical personal care formulations," said Irwin Palefsky, president of Cosmetech Laboratories.

"The more we know about this, the more effective we can be in developing successful, safe and functional skin care products."

"We are excited to sponsor this free educational tool for the cosmetics and personal care industry," commented Rose Durham, marketing manager for DuPont Tate & Lyle Bio Products. "We have been very successful in promoting our Zemea propanediol in the cosmetics and personal care market for the last eight years and wanted to provide an educational resource to the industry. This provides another avenue to reach out to the cosmetic science community."

Asia conference to be in Cairns

The Australian Society of Cosmetic Chemists will be hosting for the first time the biannual conference of the Asian Societies of Cosmetic Scientists, with *Personal Care* magazine collaborating as



official media partner. The Organising Committee has therefore invited cosmetic professionals and enthusiasts to join in the excitement and to be involved in ASCS 2015. The conference will be held from 28-30 April 2015 in Cairns, Australia, an idyllic location nestled between two UNESCO World Heritage listed sites – the Great Barrier Reef and the Wet Tropics Rainforest.

The Call for Abstracts is currently open for podium, workshop and poster presentations. Spearheading the presentations programme will be a stellar line-up of major cosmetic industry influencers comprising keynote and plenary speakers. The Call for Abstracts will close on 31 October 2014 (11.59 pm AEST). A copy of the Call for Abstracts may be found on page 44.

A wide range of sponsorship opportunities to suit varying requirements and budgets will be offered, with opportunities to tailor packages with interested sponsors where possible. The Sponsorship Opportunities Programme will be launched towards the end of July 2014 along with opportunities for exhibition booths. The 2015 exhibition will be the biggest to date and booths are expected to go quickly. For more information on sponsorship and exhibition booths, email: ascc@ascc.com.au For more details on ASCS 2015, visit www.ascs2015.com

French firm receives award

Sederma's has been awarded European Personal Care Active Ingredient Company of the Year by Frost & Sullivan.

"Regulatory compatibility and targeted activity of Sederma's products categorises them as the primary ingredient manufacturer for personal care active ingredients. Consistent focus of Sederma on developing product lines that are flexible and adaptable to the end product needs are a key differentiator for the Company in the market place," said Dr Nandhini Rajagopal, industry analyst for Chemicals, Materials & Foods at Frost & Sullivan.

Sederma's managing director, Arnaud Fournial (pictured), commented: "We are proud of this unbiased, third-party recognition that distinguishes and values our capacity and willingness to provide our customers with cutting edge innovative and



quality products that best match the expectations and needs of the market". Frost & Sullivan also highlighted that Sederma's strong focus on research and development allows it to ably address the ever demanding niche care segments (eg. anti-ageing leg care). This statement is corroborated with the recent implementation of a research programme dedicated to the discovery of new phytochemicals of interest.