

ISSUE NOVEMBER 2016

COSMETOPOLITAN



COS-INSIDE

Application Lab
meets London...

LAB-NEWS

Emulsion stability
problems?
...and more

AROUND THE WORLD

Gamma-MAX and
Gamma-Oligo

GOOD TO KNOW

Stressed winter
skin needs
the right care –
but how?

RAHN

Your partner for excellence

Dear Readers,



2016 is slowly drawing to a close...

Before we light colourful fireworks to welcome in the New Year, most of us still have work to do: choosing sparkling Christmas tree decorations; buying an Advent wreath and a Christmas tree; hunting down the perfect gifts; baking Christmas cookies; planning the Christmas meal and New Year's Eve celebrations; trying to fit in a drink of hot mulled wine and a bratwurst at the local Christmas market...

Despite all these busy activities, we should try to create a few moments for reflection and thoughtful introspection so that we can experience peace and calm. Maybe in the evening by candlelight with a glass of good wine or a hot cup of fragrant tea with some Christmas cookies.

I will leave you with these thoughts and wish you all a pleasant Advent period, an enjoyable and peaceful Christmas and a good start to the New Year 2017.

Sandra Gut
from your RAHN-Team

WHO IS NEW?

A very warm welcome to the new colleagues joining our team:



YAO JI
Function
Product Manager Cosmetics RAHN China
Joined
13 June 2016



LUISA PIRRUCCIO
Function
Customer Service Cosmetics (50%)
Joined
1 September 2016



EMINA BESIC GYENGE
Function
R&D Manager Cosmetic Actives
Joined
1 October 2016



We hope our colleagues will settle in quickly and look forward to developing a strong and productive working relationship.

Application Lab meets London...

We are delighted to present our new application technology lab. The new lab is located in East London, on the University of East London campus in the Business Dock.

The new location offers good connections to London's public transport system and is situated very close to London City Airport – which makes it very accessible.

As a service department of RAHN, the UK Application Laboratory will provide new insights into dealing with our own cosmetic raw materials, as well as those from our suppliers. The aim is to offer customers innovative guide formulations, and answer technical

questions quickly and efficiently. Meanwhile, the once very formula oriented laboratory has developed into a flexible and comprehensive service pool. Telephone advice on new developments or problem queries and custom development work are just as important as sending out product samples and suggestions for claims.

We also look forward to working on exciting projects, seminars and training sessions with our customers at the new location.

RAHN (UK) Ltd.
Knowledge Dock Business Centre
4-6 University Way · London E16 2RD



Collect them all!

Send an email to cosmetics@rahn-group.com and order your missing issue.

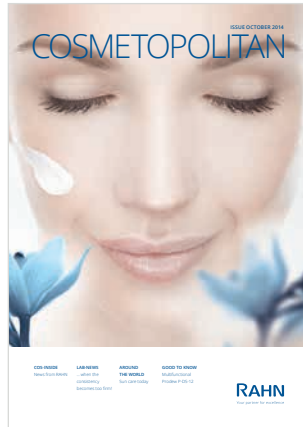
Issue 1 – May 2014



Topics

- Sensory fine-tuning
- Cosmetics laws in Asia
- Cosmospheres

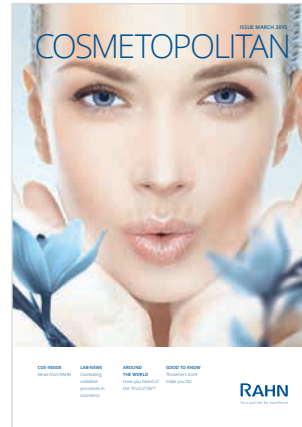
Issue 2 – October 2014



Topics

- Emulsions: when the consistency becomes too firm
- Sun care today
- Multifunctional Prodev P-DS-12

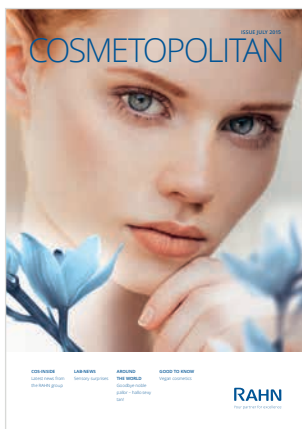
Issue 3 – March 2015



Topics

- Combating oxidative processes in cosmetics
- Have you head of the fruit of life”?
- Thickeners don't make you fat!

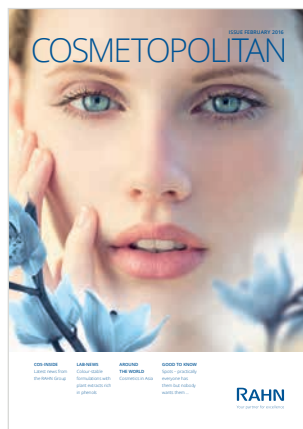
Issue 4 – August 2015



Topics

- Sensory surprises
- Goodbye noble winter paleness – hello sexy tan
- Vegan cosmetics

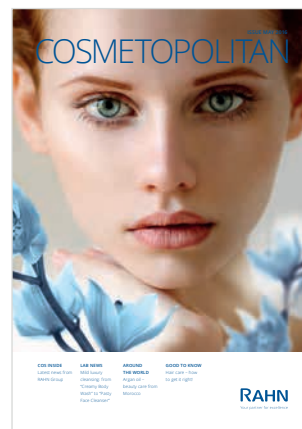
Issue 5 – February 2016



Topics

- Colour-stable formulations with plant extracts rich in phenols
- Cosmetics in Asia
- Spots-practically everyone has them but nobody wants them...

Issue 6 – May 2016



Topics

- Mild luxury cleansing: from “Creamy, liquid Body Wash” to “Luxurious, rich Face Cleanser”
- Argan oil – beauty care from Morocco
- Hair care – how to get it right!

Did you know? Our Cosmetopolitan is now available online. Follow the link <http://www.rahn-group.com/de/cosmetics/news/> and download your issue by clicking on the Cosmetopolitan tab.

How to address three different types of consumers with only one product?

Detox Type



Meeting my best friends means talking about kids and family but also about how to preserve a youthful appearance. A healthy lifestyle is a pre-condition of looking good and already part of my habits. I like the idea of cosmetics helping the skin to help itself.

PROTEOLEA® stimulates the anti-aging process within my skin and detoxifies it so that the skin's natural functions are restored.

My favorite cream: Be detoxed, Be healthy

Anti-Glycation Type



Even though I don't hide my age, I want to make the very best of myself. That's why I'm always interested in the latest results of anti-aging research in skin care.

PROTEOLEA® successfully reduces the accumulation of Advanced Glycation End products (AGE) which glue together collagen fibres so skin loses elasticity and firmness.

My favorite cream: Bye Bye AGE

Anti-Pollution Type



Inspiration, action and constant change: I love living in a big, vibrant city. My skin doesn't: stress, pollution, UV rays etc. are real challenges with regard to first signs of ageing. That's why I feel the need to protect my skin from harmful environmental influences to preserve its youthful appearance.

PROTEOLEA® protects the skin against urban stress with a powerful barrier of anti-oxidants and increases its resistance against oxidative stress

My favorite cream: Urban Pollution, Better Beware

Which consumer type are you?

Be detoxed, Be healthy sample not for sale

Bye Bye AGE
Urban Pollution, **Better Beware**

BB Cream with 3 % PROTEOLEA®

www.rahn-group.com SWISS EXPERTISE 



BB cream with 3 % PROTEOLEA® (700343.0001)

St	Substance	INCI Name USA	% [w/w]	Manufacturer
1	Water demin.	Water	60.98	several
	Disodium EDTA	Disodium EDTA	0.20	several
	Dermosoft OMP	Methylpropanediol, Caprylyl Glycol, Phenylpropanol	3.50	Dr. Straetmans, DE
2	Colorona Oriental Beige	Mica, Titanium Dioxide, Iron Oxides	1.00	Merck KGaA, DE
3	Tego Carbomer 340 FD	Carbomer	0.35	Evonik Industries AG, DE
4	Tegosoft CT	Caprylic/Capric Triglyceride	12.00	Evonik Industries AG, DE
	Neo Heliopan HMS	Homosalate	2.00	Symrise, DE
	Neo Heliopan 303	Octocrylene	2.00	Symrise, DE
	Parsol 1789	Butyl Methoxydibenzoylmethane	1.50	DSM, NL
	Eldew SL-205	Isopropyl Lauroyl Sarcosinate	2.00	Ajinomoto, JP
	DC 345 Fluid	Cyclopentasiloxane	0.50	Dow Corning, US
	Dermofeel GSC	Glyceryl Stearate Citrate	3.00	Dr. Straetmans, DE
	Tego Alkanol 6855	Cetearyl Alcohol	1.00	Evonik Industries AG, DE
	Keltrol CG-SFT	Xanthan Gum	0.40	CP Kelco, US
	Snowtitan-LL	Titanium Dioxide, Silica, Lauroyl Lysine	2.00	Sunjin Beauty Science Co.,Ltd,KR
Amisoft HS-11P(F)	Sodium Stearoyl Glutamate	0.50	Ajinomoto, JP	
Unipure White LC 981	Titanium Dioxide	2.50	Sunjin Beauty Science Co.,Ltd,KR	
Unipure Yellow LC 182	Iron Oxides	0.30	Sunjin Beauty Science Co.,Ltd,KR	
Unipure Red LC 381	Iron Oxides	0.10	Sunjin Beauty Science Co.,Ltd,KR	
Unipure Black LC 989	Iron Oxides	0.02	Sunjin Beauty Science Co.,Ltd,KR	
Dermofeel Toco 70 non-GMO	Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	0.20	Dr. Straetmans, DE	
5	NaOH solution 10 %	Sodium Hydroxide, Water	0.80	several
6	PROTEOLEA®	Glycerin, Water, Levan, Decyl Glucoside, Olea Europaea (Olive) Leaf Extract, Phenethyl Alcohol, Zizyphus Jujuba Seed Extract, Citric Acid, Ascorbic Acid	3.00	RAHN AG, CH
7	Beautiful (PN 803837)	Fragrance	0.15	Aromatic Flavours & Fragrances Europe Ltd., GB

Interested in getting more detailed information about the marketing concept with PROTEOLEA®? Email to cosmetics@rahn-group.com

Fragrance Sticks

To Go ...

Solid fragrance sticks are just one of many possibilities to cut down on your liquids while globetrotting. You don't have to worry about spilling an expensive bottle of your favorite fragrance or fitting it into your size restrictions.

The concept of a solid fragrance stick is easy. It looks like a clear lip balm, but melts on the skin, leaving a smooth skin feel and carrying perfume oil to your points of application. Just swipe your wrists, neck, chest and behind the ears from the convenience of a mess-free tube. Done!



Be inspired by our set for HER and HIM...

Solid Travel Fragrance Stick for Her

St	Substance	INCI Name USA	% [w/w]	Manufacturer
1	GP-1	Dibutyl Lauroyl Glutamide	3.00	Ajinomoto, JP
	EB-21	Dibutyl Ethylhexanoyl Glutamide	2.00	Ajinomoto, JP
	Eutanol G	Octyldodecanol	20.00	BASF, DE
2	Panalane H-300E	Hydrogenated Polyisobutene	15.00	Vantage Personal Care, US
	Panalane L-14E	Hydrogenated Polyisobutene	19.00	Vantage Personal Care, US
	Eldew SL-205	Isopropyl Lauroyl Sarcosinate	5.00	Ajinomoto, JP
	Tegosoft TN	C12-15 Alkyl Benzoate	19.00	Evonik Industries AG, DE
3	Eldew PS-203	Phytosteryl/Octyldodecyl Lauroyl Glutamate	7.00	Ajinomoto, JP
	Olympic Lady (PN806127)	Fragrance	10.00	Aromatic Flavours & Fragrances Europe Ltd., GB

Solid Travel Fragrance Stick for Him

St	Substance	INCI Name USA	% [w/w]	Manufacturer
1	GP-1	Dibutyl Lauroyl Glutamide	3.00	Ajinomoto, JP
	EB-21	Dibutyl Ethylhexanoyl Glutamide	2.00	Ajinomoto, JP
	Eutanol G	Octyldodecanol	20.00	BASF, DE
2	Panalane H-300E	Hydrogenated Polyisobutene	15.00	Vantage Personal Care, US
	Panalane L-14E	Hydrogenated Polyisobutene	19.00	Vantage Personal Care, US
	Eldew SL-205	Isopropyl Lauroyl Sarcosinate	5.00	Ajinomoto, JP
	Tegosoft TN	C12-15 Alkyl Benzoate	19.00	Evonik Industries AG, DE
3	Eldew PS-203	Phytosteryl/Octyldodecyl Lauroyl Glutamate	7.00	Ajinomoto, JP
	Victory Man (PN802585)	Fragrance	10.00	Aromatic Flavours & Fragrances Europe Ltd., GB

Interested? Order your personal set of Fragrance Sticks from sandra.gut@rahn-group.com.

Emulsion stability problems?

Amisoft HS-11P(F) – A very efficient anionic emulsifier

INCI: *Sodium Stearoyl Glutamate*

- Derived from L-Glutamic Acid and plant derived fatty acid
- Natural

Amisoft HS-11P(F) can solve stability problems even in cases where a strong increase of the main emulsifier does not show improvements.

At just 0.3% inclusion, Amisoft HS-11P(F) provides excellent stability to the emulsion, withstanding the harsh centrifuge test.

Formulation benefits:

- Excellent anionic emulsifier to effectively stabilise o/w emulsions
- Droplet size reduction without increasing viscosity
- Good compatibility with electrolytes
- Can be used in hot or cold processes and in the oil or water phase
- Low usage level of 0.2–1.0%

Amisoft HS-11P(F) – a raw material which is worth to try!



Left: with 0.3% Amisoft

Right: without Amisoft

To shave, or not to shave?

The Boom of Beard

Growing a beard can be an expression of freedom, but it's also a commitment. Beards don't take care of themselves – they need some upkeep. But with the right care and style, a beard can look really good.

But you need to learn how to take care of your beard. Beard hair requires at least as much intensive care as scalp hair if you want it to look well-groomed and attractive. Beard hairs have a somewhat thicker shaft and are therefore stiffer than scalp hairs.





Are you having a “bad hair day” on your face? The following products provide a quick remedy:

Designer Stubble Washcream

Beard hair needs to be washed daily because sweat and food remnants collect in the hair. That not only looks untidy, it can also lead to skin irritations.

Pour into wet palm, gently massage into beard to build up lather, rinse thoroughly.

St	Substance	INCI Name USA	% [w/w]	Manufacturer
1	Water demin.	Water	56.30	several
	Dermosoft MCA Variante	Dipropylene Glycol, Caprylyl Glycol, Glyceryl Caprylate	1.00	Dr. Straetmans, DE
2	Keltrol CG-SFT	Xanthan Gum	0.50	CP Kelco, US
3	Amilite GCS-12K	Sodium Cocoyl Glycinate, Water	35.00	Ajinomoto, JP
4	Amisoft CS-22	Sodium Cocoyl Glutamate, Disodium Cocoyl Glutamate, Water	3.00	Ajinomoto, JP
5	Sensual Flower	Fragrance	0.70	Aromatic Flavours & Fragrances Europe Ltd., GB
6	Sodium Chloride	Sodium Chloride	1.50	several
7	Citric Acid 100%	Citric Acid	2.00	several

TRIVIVAL Made for Men

The 3 in 1 Shower Gel cleanses hair, face and body in one step - ideal for today's busy man. The formulation contains Activated Carbon Beads which cleans and matts oily, greasy skin and hair without causing irritation or dehydration.

St	Substance	INCI Name EU	% [w/w]	Manufacturer
1	Water demin.	Aqua	37.25	several
	Carbopol Aqua SF-1	Acrylate Crosspolymer, Aqua	7.00	Lubrizol, US
	NaOH sol. 10%	Sodium Hydroxide, Aqua	4.50	several
2	Genapol LRO 28%	Sodium Laureth Sulfate, Aqua	38.00	Clariant, DE
	Tego Betain F50	Cocamidopropyl Betaine, Aqua	5.00	Evonik Industries AG, DE
	Amisoft ECS-22W	Disodium Cocoyl Glutamate	4.00	Ajinomoto, JP
	Verstatil PC	Phenoxyethanol, Caprylyl Glycol	1.00	Dr. Straetmans, DE
	Patent Blue 0.2%	Aqua, CI 42051	0.25	several
	Chinolin Yellow 0.2%	Aqua CI 47005	0.10	several
	HYDRACTIN-LMF	Propanediol, Aqua, Polypodium Vulgare Rhi-zome Extract, Cetraria Islandica Thallus Extract, Sphagnum Magellanicum Extract, Citric Acid	1.00	RAHN AG, CH
	Activated Carbon Beads-S	Mannitol, Microcrystalline Cellulose, CI 77266	1.00	Spirig, CH
	Perfume Forest 2 PN800465	Parfum	0.90	Aromatic Flavours & Fragrances Europe Ltd., GB

Beard Oil

When the beard has reached a certain length, it can irritate the facial skin. To alleviate the itching, you can apply a beard oil. This makes the beard hairs smooth and soft, giving the beard a well-groomed appearance and a silky shine. Application is really easy. Rub a few drops of beard oil onto your palms and distribute it evenly through your facial hair after cleansing. Done!

St	Substance	INCI Name USA	% [w/w]	Manufacturer
1	Sunflower Oil, organic	Helianthus Annuus (Sunflower) Seed Oil	52.40	All Organic Trading GmbH, DE
	English Poppy Seed Oil	Papaver Somniferum Seed Oil	20.00	Northstar Lipids (UK) Ltd, GB
	Tegosoft CT	Caprylic/Capric Triglyceride	10.00	Evonik Industries AG, DE
	Dermofeel Sensolv	Isoamyl Laurate	10.00	Dr. Straetmans, DE
	AO002 Aloe Vera Oil Extract	Glycine Soja (Soybean) Oil, Aloe Barbadosensis Leaf Extract	3.00	Terry Laboratories, Inc., US
	HydraSynol DOI	Isosorbide Dicaprylate	3.00	Sytheon Ltd, US
	Eldew PS-203	Phytosteryl/Octyldodecyl Lauroyl Glutamate	0.50	Ajinomoto, JP
	Dermofeel MT 70 non-GMO	Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	0.50	Dr. Straetmans, DE
	Victory Man (PN802585)	Fragrance	0.60	Aromatic Flavours & Fragrances Europe Ltd., GB

Beard Styling Wax

Does your beard look wild? With the right styling wax you can tame an unruly beard. This wax is also suitable for moustache styling, from classic to eccentric – the choice is yours.

St	Substance	INCI Name USA	% [w/w]	Manufacturer
1	Cupuacu Butter Refined	Theobroma Grandiflorum Seed Butter	20.00	Laboratoires Expanscience, FR
	Organic Castor Oil	Ricinus Communis (Castor) Seed Oil	37.70	several
	Sisterna A10E-C	Sucrose Tetrastearate Triacetate	10.00	Sisterna B.V., NL
	Kahlwax 8089	Cera Alba, Ceteareth-25, Oryza Sativa Cera	10.00	Kahl GmbH & Co. KG, DE
	Eutanol G	Octyldodecanol	15.00	BASF, DE
	Swiss Honey	Mel	5.00	several
	Dermofeel MT 70 non-GMO	Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	0.50	Dr. Straetmans, DE
2	Eldew PS-203 R	Phytosteryl/Octyldodecyl Lauroyl Glutamate	0.30	Ajinomoto, JP
3	Victory Man (PN802585)	Fragrance	1.50	Aromatic Flavours & Fragrances Europe Ltd., GB

Gamma-MAX and Gamma-Oligo

Let us take a trip to South Korea...where the Bioleaders Corporation is based.

Bioleaders Corp. is an innovative South Korean company and producer of cosmetic raw materials based on Gamma-Polyglutamic Acid. The two active ingredients Gamma-Oligo and Gamma-MAX provide significantly improved functionalities and novel modes of action. The products contribute to the formulation of truly differentiated skin care products by improving skin moisture, skin structure, and skin health.

Moisturising has always been one of the most popular advertising messages for skincare products. γ -MAX and γ -Oligo are new amino-acid-based substances that have an immediate and lasting moisturising effect on the skin. The active ingredients are available in high molecular form (γ -MAX) or as low molecular hydrolysate (γ -Oligo) depending on whether they are to have an effect on the surface of the skin or in the deeper layers of the skin.

Does that remind you of hyaluronic acid? If so, you are on the right lines – but γ -MAX and γ -Oligo can offer even more!



Efficacy spectrum of γ -MAX and γ -Oligo

γ -MAX

- Highly effective moisturiser with immediate and lasting effect
- Moisturises the skin better than hyaluronic acid and increases the elasticity of the skin
- Improves the stability of hyaluronic acid on the skin (e.g. as hyaluronic acid-effectiveness booster in combination with HA)
- Excellent sensory properties
- Noticeable improvement in hydration and elasticity of the skin
- Stabilises topically applied hyaluronic acid for a longer lasting effect
- Leaves behind a moisturised feeling

γ -Oligo

- Alleviates undesirable UVB immune effects connected with photo-ageing
- Improves the structural composition of the skin
- Moisturises deeper skin layers thanks to ideal complementary mechanisms:
 1. preserves the existing epidermal hyaluronic acid
 2. simultaneously increases the Natural Moisturising Factor (NMF)
- For firm and youthful looking skin
- Stimulates the skin from within
- Raises moisture retention with dual effector system (hyaluronic acid and NMF)
- Improves the structural composition for a compact and fresh looking skin

Technical data at a glance

	γ -MAX (Gamma-MAX)	γ -Oligo (Gamma-Oligo)
INCI name	Sodium Polyglutamate or Natto Gum	Potassium Hydrolysed Polygamma-Glutamate or Natto Gum
Chemical designation	Poly-gamma-glutamic acid as sodium salt	Hydrolysed poly-gamma-glutamic acid as potassium salt
Molecular weight	Approx. 2000000 Daltons (high molecular)	Approx. 1000 Daltons (low molecular)
Active content	100% (pure substance)	100% (pure substance)
Appearance	White, fine powder	White, fine powder
Solubility in water	Very good	Very good
Primary site of action	On the skin	In the skin
Application concentration	0.05–1 %	0.05–1 %

Application possibilities:

- Face & Body Mists, Skin Softener, Gel, Water Cream, Serum, Essence
- Anti-Photo-Ageing Products
- Cleansers: Micellar solution, Foaming cleanser, Shower Sorbet
- Masks: Hydrogel Mask, Water Sleeping Mask, Bubble Mask, Jelly Pack, Splash Mask
- Sun care (Pre and After Sun)

Interested? Ask your RAHN team for detailed documentation or efficacy studies.

Stressed winter skin needs the right care – but how?



The skin faces harsh conditions once more as the colder months of the year return. The colder it gets outside, the warmer we like it inside: we turn the heating up. That means stress for the skin. It is subjected to the constant change between dry central heating and the cold. Both take a toll on the skin. On the one hand, heating air removes moisture from the skin – makes it sensitive and sore. The cold air outside also has a very low humidity level and so makes the skin dry out.

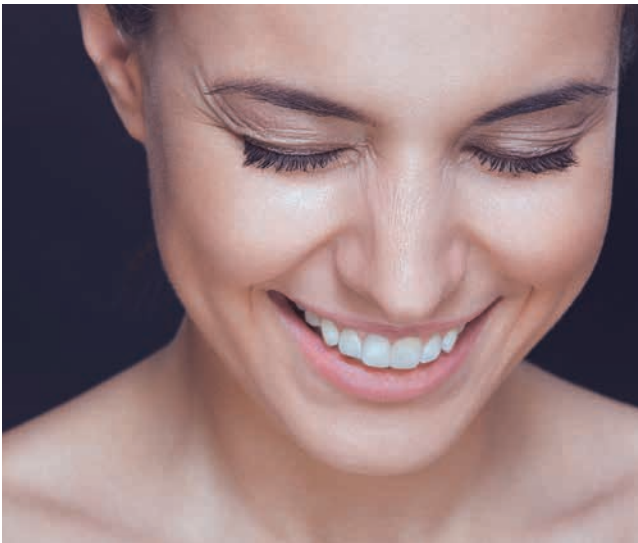
The naturally protective oily film on the skin is fed by many small sebaceous glands in the skin. When the temperature drops, these glands produce less and less sebum or stop working altogether. This means that the natural skin protection barrier is impaired or even lost. If this oily film is missing, the water evaporates more quickly from the surface of the skin. Skincare in winter should mainly provide moisture and have a higher lipid content.

If the temperature drops to eight degrees Celsius or lower, it is advisable to use rich creams on a water-in-oil basis. Water-containing creams can freeze on the skin at minus temperatures and so damage the surface and structure of the skin. In any event, the skincare should be adapted to each particular skin type. Those with a tendency to dry skin should reapply moisturiser several times a day.

Our hair also suffers during the cold season of the year. Constantly moving between raw and chilly street air, wind, snow, rain and dust-dry heating air that is far too warm can damage

even the healthiest head of hair. The result is dry and stubborn hair-ends, statically charged hair, oily roots and in the worst case even dandruff.

This means skin and hair need extra care and attention.



Tips to brighten tired winter skin

- **DEFENSIL PLUS®** – first aid for sensitive and stressed skin
- **MYRAMAZE®** – moisturizer for the skin
- **γ-MAX and γ-Oligo** – for immediate and long-lasting moisturizing of the skin
- **Bimiol BSC** – immediate and lasting support for the natural protective barrier
- **Cupuacu Butter** – excellent refatting agent and moisturizer
- **Soline Bio** – for optimal skin moisturizing and strengthening of the skin barrier



Tips to refresh tired winter hair

- **Silk proteins (Silkbeads & Silkgel)** – good anti-static and moisturising properties
- **AQUARICH®** – caring and moisturising properties for the hair
- **Andiroba Oil** – optimal nourishing components
- **Prodew 500** – moisturizing and repair effect for dry and stubborn hair
- **CAE** – excellent anti-static properties, also the resilience of the hair is improved
- **5α Avocuta** – regulates sebum production

Formulas to combat stressed winter skin can be found at www.rahngroup.com.

The Cosmetic

Encyclopaedia

F

for ...

...Fatty acids

...Fatty alcohol

...FDA

...Film-forming agents

...Firmness

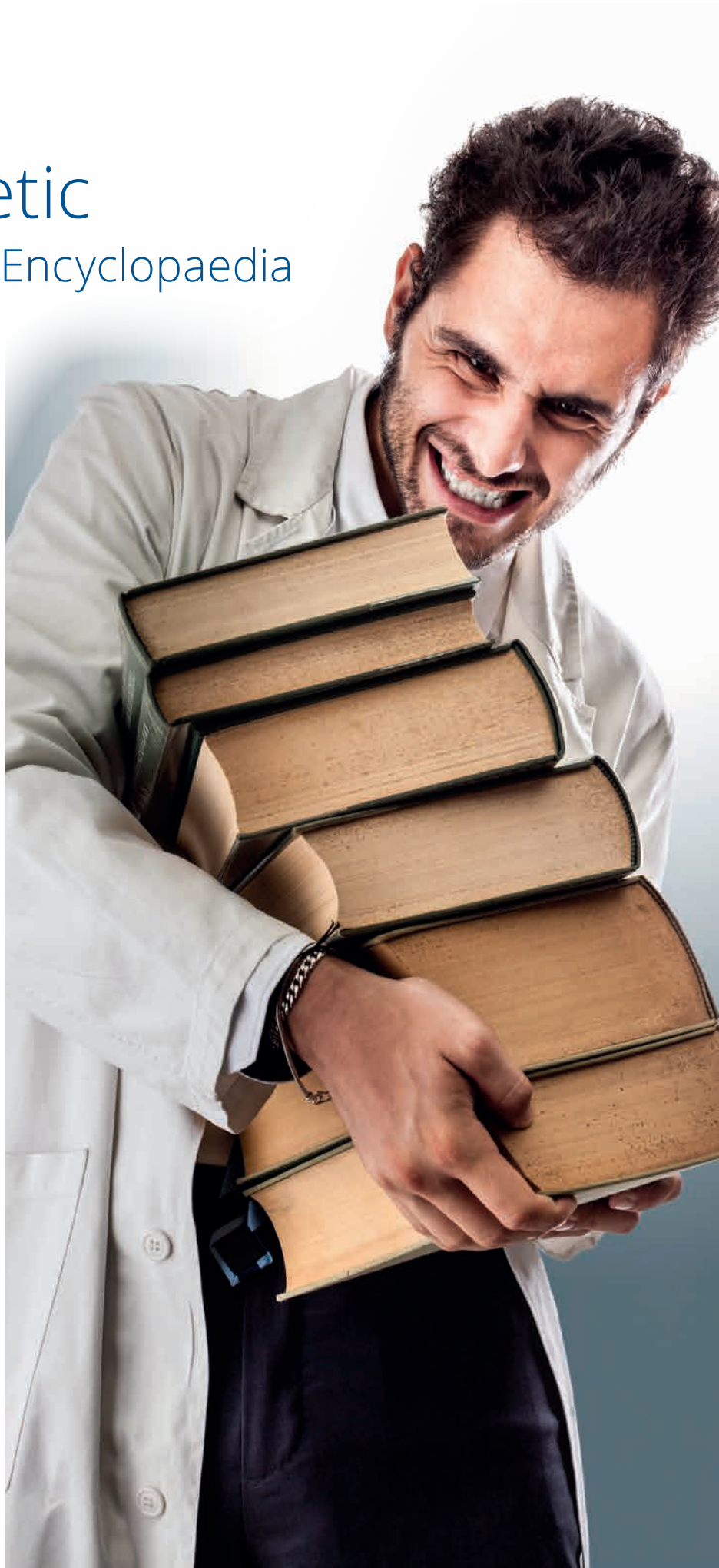
...Fluid

...Follicles

...Foundation

...Free Radicals

...Fruit acids



Fatty acids

Fatty acids are widely used in the cosmetics industry. They act as consistency enhancers and co-emulsifiers. Nowadays, they are mainly extracted from vegetable fats by saponification. Examples of fatty acids are: Lauric Acid, Myristic Acid, Palmitic Acid, Stearic Acid and Oleic Acid.

Fatty alcohol

Fatty alcohols are long-chain, monohydric, mostly primary alcohols that are usually produced in the chemical industry from petrochemicals or by the reduction of fatty acids. They are mainly used in cosmetics as consistency enhancers or co-emulsifiers to stabilise emulsions. Fatty alcohols are known for their good water-binding properties. They form liquid-crystalline gel structures which stabilise the fat and also the water phase of an emulsion. Commonly used fatty alcohols are: Cetearyl Alcohol, Cetyl Alcohol, Stearyl Alcohol, Behenyl Alcohol and Myristyl Alcohol.

FDA

FDA stands for Food and Drug Administration. This authority oversees the production of cosmetics, food and medicines in the USA. It was founded in 1927.

Film-forming agents

Film-forming agents are substances that are able to develop a film on the skin. These are often polymers and it is possible to use a film-forming agent to make sensory adjustments to a cosmetic product. We also find film-forming agents in sun screen products, nail varnish or hair styling products.

Firmness

Skin becomes fatigued with age, it is less elastic. If pulled and squeezed, aged skin takes longer time to return to its initial condition. Firming active ingredients try to remedy this effect by acting on the underlying fibres, like collagen or elastin.

Fluid

In cosmetics, a fluid is a very free-flowing emulsion.

Follicles

These are bag-shaped pockets of the epidermis that lead down into the dermis and enclose the hair follicle and hair root. We distinguish between three types of follicle: terminal hair follicles (scalp and armpits), vellus hair follicles (face) and sebaceous follicles (face, chest and back).

Foundation

A make-up applied to the face to achieve an even, uniform colour. These are pigmented emulsions or pastes that are offered in various colour intensities. The goal of the application is to achieve an even complexion and disguise imperfections in the skin to make the face look fresh and well cared for.

Free Radicals

Free radicals can be created from pollution such as smog, cigarette smoke and as well sun. Skin damage done by free radicals may appear in several forms: changes in skin color, like brown spots or broken blood vessels; weakened skin that looks loose and saggy as a result of damaged elastic fibers. Free radicals can also break down the skin's collagen and create wrinkles. To fight off free radicals, antioxidants are recommended, among other things contained in vitamins A, C, E.

Fruit acids

These include the so-called hydroxycarboxylic and dicarboxylic acids. Fruit acids include citric, lactic and malic acid or acids made from sugar cane. They stimulate cell metabolism and promote the desquamation of the outer epidermis which can significantly improve the appearance of the skin. A fruit acid facial peel is particularly suitable for skin affected by acne.

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