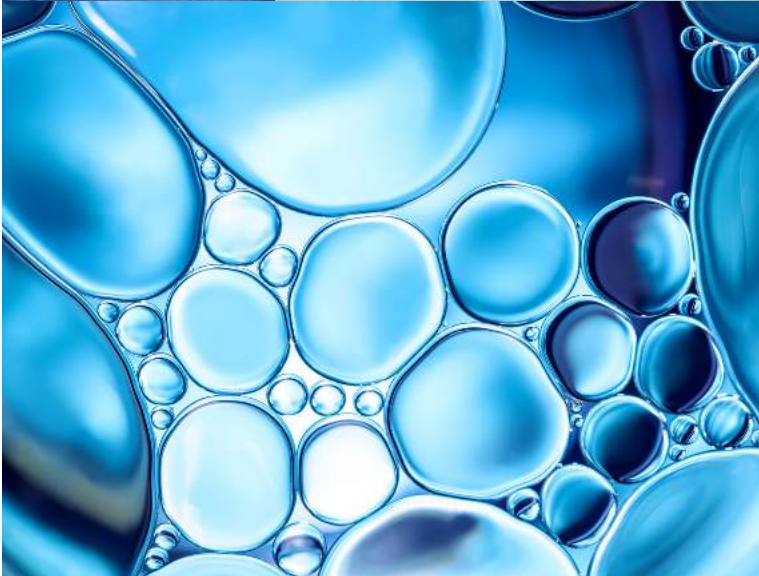
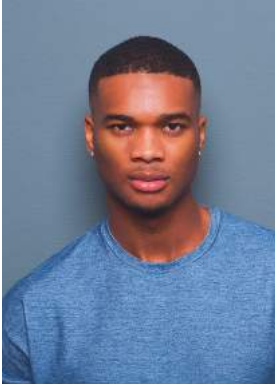


symrise 

*Skin Protection*  
INSPIRING CONFIDENCE





DELIVERING TRUSTWORTHY SOLUTIONS TO BOOST

# Consumer Self-Confidence

## **M**ICROORGANISMS: FRIEND OR FOE?

With the increasing interest in the microbiome, microorganisms have gained a favorable reputation in modern culture. Consumers now understand that not all organisms are pathogens and some even support our health.

Moving away from conventional systems, scientists are now developing smarter technologies with very specific & targeted activity. These next generation solutions should protect as much as possible our living skin protection eco-system.

**Symrise skin protection expertise is build on more than forty years of experience.**

Our **skin protection** ingredients target microbiota in a very selective way. They are key to the success of deodorants, dandruff control and hygiene products.

Our objective is to support our customers with a **contemporary approach** so these cosmetic applications fit the specific demands of the market.



EXPERTISE & INNOVATION

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EXPLORING *creative* TECHNOLOGIES

# SYMRISE & MICRO PROTECTION

A LONG HISTORY OF KNOW-HOW

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Symrise's Cosmetic Ingredients Division is a **pioneer and leading supplier** of modern antimicrobial solutions in the fields of preservatives, multifunctionals, deodorants, dandruff control and hygiene. Symrise has been granted more than **1000 patents** globally, including more than 300 exclusively for Cosmetic Ingredients. With regional Regulatory Affairs and Consumer Market Insights Departments, Symrise is always at the forefront of information in the regulatory space to address formulator challenges in all areas of personal care around the world.

## CUTTING-EDGE TECHNOLOGIES

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We anticipate **the challenges for formulators and consumer needs** by developing smart, patented micro protection solutions.

## INTERACTIVE COMMUNITY

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We build **strong relationships** with our clients by creating dedicated tools and targeted solutions together with our global team.

## WELLNESS MINDSET

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We fulfill the consumer's desire for **transparency and well-being** with safe, innovative technologies.

**360° SUPPORT**

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SUPPORTING, ACCELERATING & SIMPLIFYING

*Your Product Development*

ured in

1:40 :0 8:44

# SYMRISE: YOUR PARTNER

SOLVING SKIN PROTECTION CHALLENGES

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**A**t Symrise, we believe that offering you a wide variety of high quality, superior efficacy solutions for all of your application needs is just the beginning. We remain passionate about helping you find the perfect technology to fit your unique requirements.

In our constant desire to support your product development efforts, we can provide **customized support including formulation expertise, or specific performance tests**. Our **regulatory affairs department** is also ready to support your product development requirements.



**DEODORANTS**

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*Smart* ODOR PROTECTION





# INGREDIENTS PREVENTING BODY ODOR

LONG LASTING ODOR PROTECTION

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**H**uman sweat as such is odorless, but its components are metabolized by skin microbiota to volatile malodor molecules such as short chain fatty acids and organosulfur compounds, amongst others. **Managing body odor** in general can be achieved through three main technologies: **Antiperspirants (AP), Deodorant technologies (Deo) or Fragrances/Absorbants.**

Long lasting odor protection is the primary benefit expected from a deodorant. However, consumers also expect deodorants to be innovative skin care products with additional benefits. Symrise has focused its research on multifunctional deodorant ingredients that are able to **inhibit the formation of body odor at its source**. Our highly effective solutions provide safe, non-organohalogen deodorant technologies that offer modern alternatives to conventional deodorant benchmarks such as triclosan. Our extensive product portfolio includes the established nature-identical terpene alcohol Farnesol, microbiome-friendly actives like SymDeo® B125 and various compositions adapted to specific customer needs.

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LONG LASTING PROTECTION

SELECTIVE ACTIVITY

*MODERN NON-ORGANOHALOGEN TECHNOLOGY*



**DANDRUFF CONTROL**

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SIMPLY

*Cleaner* SCALP

# SCALP CARE SOLUTIONS

RELIABLE CONTROL

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Did you know there is a link between dandruff and increased activity of *Malassezia* species on scalp?

Dandruff is a **harmless condition** of the scalp, but flaking and itching require suitable products for relief. The good news is the symptoms of **dandruff can be minimized**. With Crinipan® AD, Symrise offers the well-established and highly reliable active, climbazole. With a long history of successful use in cosmetics, climbazole provides excellent protection from the main cause of dandruff, *Malassezia* species.

As consumers are looking for greener solutions, Symrise has developed the next-generation technology, effective and safe for the scalp: Crinipan® PMC green.

RELIABLE PERFORMANCE

MULTIFUNCTIONAL LIQUID  
SOLUTIONS

ESTABLISHED ACTIVE &  
NEXT GENERATION TECHNOLOGY



HYGIENE

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FOR REGAINED *Confidence*

# HOLISTIC HYGIENE INGREDIENTS

TAKING CARE OF PERSONAL HYGIENE

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Considering the wide range of cosmetic formulations, hygiene habits are being applied from head to toe, each body part having its own specificities. The overgrowth of certain microorganisms can result in skin problems or discomfort. Using hygiene products can help to limit this overgrowth and maintain the skin clean and healthy.

Reflecting these many aspects, Symrise offers modern, non organohalogen and eco-friendly solutions. With SymClariol®, we offer a multifaceted concept especially for scalp, face, and feet. The portfolio is completed with SymGuard® CD, an antimicrobial ingredient, suitable in particular for oral and intimate hygiene. These cosmetic solutions will help to support consumers' self-confidence from scalp to toe.










CONTEMPORARY  
SOLUTIONS

READILY  
BIODEGRADABLE

TARGETING SPECIFIC  
BODY PARTS

# SKIN PROTECTION




## DEODORANTS

Product Name / Code	INCI	Benefits	Product properties / Formulation	Additional info
<b>SymDeo® B125</b> <b>399939</b>	2-Methyl 5-Cyclohexylpen- tanol	<ul style="list-style-type: none"> <li>• Deodorant</li> <li>• Long Lasting: Clinically tested up to 72 hours</li> <li>• Most compatible and flexible</li> <li>• Allows to deodorize even without antiperspirant or fragrance</li> <li>• Very selective activity</li> <li>• Microbiome-friendly</li> </ul>	<ul style="list-style-type: none"> <li>• Clear &amp; colorless liquid, low pleasant odor</li> <li>• Aliphatic alcohol, easy to formulate</li> <li>• Good compatibility with antiperspirants (ACH)</li> <li>• Soluble in surfactants, ethanol, glycols and cosmetic esters</li> <li>• Dosage: up to 0.5%</li> <li>• pH of use: 3 to 10</li> <li>• Up to 80°C</li> </ul>	 <ul style="list-style-type: none"> <li>• Readily biodegradable</li> <li>• Patented</li> </ul>
<b>SymDeo® Plus</b> <b>763003</b>	Lauryl Alcohol, Phenoxyethanol, 2-Benzylheptanol, Decylene Glycol	<ul style="list-style-type: none"> <li>• Deodorant: tested 48h odor protection</li> <li>• Multifunctional</li> <li>• Lowest cost</li> <li>• Highly compatible</li> <li>• Alternative to conventional organohalogen-systems</li> <li>• Suitable for oral care</li> </ul>	<ul style="list-style-type: none"> <li>• Clear &amp; colorless liquid</li> <li>• Soluble in surfactants, ethanol, glycols and cosmetic esters</li> <li>• Dosage: up to 1.0%</li> <li>• pH of use: 3 to 11</li> <li>• Up to 80°C</li> </ul>	  <ul style="list-style-type: none"> <li>• Contains registered preservative</li> <li>• Patent pending</li> </ul>
<b>Farnesol</b> <b>130329</b>	Farnesol	<ul style="list-style-type: none"> <li>• Multifunctional</li> <li>• Our ingredient with the longest history of use as a deodorant in cosmetics</li> <li>• Substantive on skin; beneficial for rinse-off formulations such as washes/soaps</li> <li>• Additional benefits for skin and foot care</li> <li>• Suitable for oral care</li> </ul>	<ul style="list-style-type: none"> <li>• Clear &amp; colorless liquid, low pleasant odor</li> <li>• Nature-identical terpene alcohol</li> <li>• Good compatibility with antiperspirants (ACH)</li> <li>• Soluble in alcohol, glycols, mineral oil, neutral oil (caprylic/capric triglyceride)</li> <li>• Dosage: up to 0.3%</li> <li>• pH of use: 4 to 10</li> <li>• Up to 80°C</li> </ul>	   <ul style="list-style-type: none"> <li>• Readily biodegradable</li> </ul>
<b>Farnesol Plus</b> <b>660372/307177</b>	Phenoxyethanol, Farnesol, Glyceryl Laurate	<ul style="list-style-type: none"> <li>• Deodorant</li> <li>• Multifunctional</li> <li>• Cost efficient Farnesol-based blend</li> <li>• Alternative to conventional organohalogen-systems</li> </ul>	<ul style="list-style-type: none"> <li>• Clear &amp; colorless to pale yellow liquid blend, low odor</li> <li>• Nature-identical</li> <li>• Oil and alcohol soluble</li> <li>• Dosage: up to 0.8%</li> <li>• pH of use: 5 to 8 (bar soap use pH &gt;8 is possible)</li> </ul>	  <ul style="list-style-type: none"> <li>• Contains a registered preservative</li> </ul>
<b>SymDeo® MPP</b> <b>161744</b>	Dimethyl Phenylbutanol	<ul style="list-style-type: none"> <li>• Deodorant: proven <i>in vivo</i></li> <li>• Antibacterial odor protection</li> <li>• Particularly effective against gram positive bacteria responsible for body odor</li> <li>• Modern non-organohalogen technology</li> <li>• For leave-on and rinse-off cosmetics, deodorants and personal washes</li> </ul>	<ul style="list-style-type: none"> <li>• Clear &amp; colorless liquid, low pleasant odor</li> <li>• Aromatic alcohol, easy to formulate</li> <li>• Soluble in ethanol, glycols, mineral oil, silicones, cosmetic esters</li> <li>• Dosage: up to 1.0%</li> <li>• pH of use: 3 to 10</li> <li>• Up to 80°C</li> </ul>	 <ul style="list-style-type: none"> <li>• Patented</li> </ul>

- REACH numbers available on request
- Toxicological data available on request

- Suitable Vegan according to Symrise policy
- Halal & Kosher status available on request

## DEODORANTS





Product Name / Code	INCI	Benefits	Product properties / Formulation	Additional info
<b>SymLite® G8</b> <b>104528</b>	Glyceryl Caprylate	<ul style="list-style-type: none"> <li>• Multifunctional option also for deo</li> <li>• Tested 48h odor protection</li> <li>• Green alternative</li> </ul>	<ul style="list-style-type: none"> <li>• Colorless liquid to light yellow solid, characteristic odor</li> <li>• Soluble in glycols and ethanol</li> <li>• Dosage up to 2.0%</li> <li>• pH of use: 4 to 7</li> <li>• Up to 80°C</li> </ul>	   <ul style="list-style-type: none"> <li>• Readily biodegradable</li> <li>• MB RSPO</li> </ul>

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# SKIN PROTECTION

## DANDRUFF CONTROL\*

Product Name / Code	INCI	Benefits	Product properties / Formulation	Additional info
<b>Crinipan® PMC green</b> 263045	Propanediol Caprylate	<ul style="list-style-type: none"> <li>• Next generation active: innovative mode of action</li> <li>• As effective as conventional anti-dandruff actives</li> <li>• Supports a healthy scalp microbiome</li> <li>• Reduces sebum</li> <li>• Improves skin and scalp feel</li> <li>• Improves sensorial parameters of hair care applications</li> <li>• Natural derived index=1 (ISO 16128); 100% bio-based carbon</li> </ul>	<ul style="list-style-type: none"> <li>• Easy to handle clear liquid, low odor</li> <li>• Soluble in alcohols, glycols, cosmetic esters, vegetable oils &amp; triglycerides</li> <li>• Insoluble in mineral oil, water &amp; glycerin</li> <li>• Dosage: up to 1.0% (typical dose: 0.5%)</li> <li>• pH of use: 4.5 to 9</li> </ul>	 <ul style="list-style-type: none"> <li>• Readily Biodegradable</li> <li>• MB RSPO</li> <li>• Patents pending</li> </ul>
<b>Crinipan® AD</b> 600306	Climbazole	<ul style="list-style-type: none"> <li>• Specific activity against the main cause of dandruff</li> <li>• Established active, long history of cosmetic use</li> <li>• Excellent stability</li> <li>• No compatibility issues</li> </ul>	<ul style="list-style-type: none"> <li>• White to light brown crystalline powder</li> <li>• Soluble in alcohol, glycols, surfactant &amp; certain perfume oils</li> <li>• Dosage: up to 0.5% as a preservative depending on application, and up to 2% as anti-dandruff active in shampoo (reflecting EU Cosmetic Regulation)</li> <li>• pH of use: 4 to 7</li> </ul>	 <ul style="list-style-type: none"> <li>• Registered preservative</li> </ul>
<b>Crinipan® ADS</b> 705375	Phenoxyethanol, Climbazole, Decylene Glycol, 1,2-Hexanediol	<ul style="list-style-type: none"> <li>• Liquid climbazole based blend</li> <li>• 2-in-1 multifunctional solution: Complete preservation system + anti-dandruff active</li> <li>• Easy-to-use liquid blend for cold processing</li> <li>• Multifunctional option, also for hygiene applications like soap</li> </ul>	<ul style="list-style-type: none"> <li>• Liquid</li> <li>• Soluble in alcohol, glycols, surfactant, in common cosmetic oils &amp; certain perfume oils</li> <li>• Dosage: up to 1.5%</li> <li>• pH of use: 4 to 7</li> </ul>	 <ul style="list-style-type: none"> <li>• Contains registered preservative</li> <li>• Patented</li> </ul>
<b>SymClariol®</b> 344028	Decylene Glycol	<ul style="list-style-type: none"> <li>• Multifunctional emollient for clean skin and scalp</li> <li>• Supports dandruff control concepts</li> <li>• Suitable for oily scalp</li> <li>• Soothes scalp</li> <li>• Helps to reduce sebum levels</li> <li>• Antimicrobial properties</li> <li>• Even tested in combination with low dose Crinipan® AD</li> </ul>	<ul style="list-style-type: none"> <li>• Off-white waxy solid, light characteristic odor</li> <li>• Soluble in cosmetic esters and glycols</li> <li>• Dosage: up to 1.0%</li> <li>• pH of use: 3 to 12</li> <li>• Up to 100°C</li> </ul>	 <ul style="list-style-type: none"> <li>• Readily biodegradable</li> <li>• Patented</li> </ul>





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\* This catalogue does not contain any actives positively listed on the FDA drug monograph for anti-dandruff use in the US.



## HYGIENE

Product Name / Code	INCI	Benefits	Product properties / Formulation	Additional info
<b>SymGuard® CD</b> 675075	Phenylpropanol, o-Cymen-5-ol, Decylene Glycol	<ul style="list-style-type: none"> <li>• Fast action, quickly protects the skin</li> <li>• Multifunctional: Supports a variety of personal hygiene concepts from head to toe</li> <li>• Antioxidant</li> <li>• Antibacterial properties</li> <li>• Eco-friendly alternative to conventional organohalogen systems</li> <li>• Contributes to product protection: allows for a lower dose of other preservatives</li> <li>• Suitable for oral care</li> </ul>	<ul style="list-style-type: none"> <li>• Clear &amp; colorless liquid</li> <li>• Soluble in alcohol, glycols, vegetable oils &amp; cosmetic esters</li> <li>• Dosage: up to 0.5%</li> <li>• pH of use: 3 to 10</li> </ul>	 <ul style="list-style-type: none"> <li>• Contains registered preservative</li> <li>• Readily biodegradable</li> <li>• Patented</li> </ul>
<b>Crinipan® ADS</b> 705375	Phenoxyethanol, Climbazole, Decylene Glycol, 1,2-Hexanediol	<ul style="list-style-type: none"> <li>• Multifunctional option for Hygiene, Dandruff Control &amp; Preservation</li> <li>• Provides a clean skin feeling</li> <li>• Ideal for hygiene applications like soap</li> <li>• Patented combination of Crinipan® AD with the broad spectrum preservative SymOcide® PS</li> <li>• Easy to use liquid blend for cold processing</li> </ul>	<ul style="list-style-type: none"> <li>• Liquid</li> <li>• Soluble in alcohol, glycols, surfactant, in common cosmetic oils &amp; certain perfume oils</li> <li>• Dosage: up to 1.5%</li> <li>• pH of use: 4 to 7</li> </ul>	 <ul style="list-style-type: none"> <li>• Contains registered preservative</li> <li>• Patented</li> </ul>
<b>SymOcide® C</b> 510633	O-Cymen-5-ol	<ul style="list-style-type: none"> <li>• Provides quick kill of bacteria (ideal for hygiene application like bar soap &amp; hand gels)</li> <li>• Ideal for oral care applications, thanks to its protective properties against dental plaque and oral biofilms</li> <li>• Widely used in acne-prone skin applications</li> </ul>	<ul style="list-style-type: none"> <li>• Colorless crystals, low odor</li> <li>• Good solubility in ethanol and diols</li> <li>• Dosage: up to 0.1%</li> <li>• pH of use: 3 to 10</li> <li>• Up to 80°C</li> </ul>	 <ul style="list-style-type: none"> <li>• Registered preservative, listed on Annex V of the EU cosmetics regulation</li> <li>• Readily biodegradable</li> <li>• Patented</li> </ul>
<b>SymClariol®</b> 344028	Decylene Glycol	<ul style="list-style-type: none"> <li>• Multifunctional emollient with antimicrobial properties</li> <li>• Suitable for rinse-off and leave-on cosmetics</li> <li>• Suitable for oral care</li> </ul>	<ul style="list-style-type: none"> <li>• Off-white waxy solid, light characteristic odor</li> <li>• Soluble in cosmetic esters and glycols</li> <li>• Dosage: up to 1.0%</li> <li>• pH of use: 3 to 12</li> <li>• Up to 100°C</li> </ul>	 <ul style="list-style-type: none"> <li>• Readily biodegradable</li> <li>• Patented</li> </ul>

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*always  
inspiring more ...*



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