

A photograph of three young girls outdoors, blowing bubbles. The girl in the foreground is smiling and looking upwards, holding a bubble wand. The other two girls are in the background, also blowing bubbles. The scene is bright and cheerful, with green foliage in the background.

# Creating Sustainable Solutions

BASF Oleochemicals

 **BASF**

We create chemistry

**At BASF,** we want to contribute to a world that provides a viable future with enhanced quality of life for everyone. We do this by living our corporate purpose “We create chemistry for a sustainable future” by sourcing and producing responsibly, acting as a fair and reliable partner and connecting creative minds to find the best solutions for market needs. For us, this is what successful business is all about.



Within the BASF Care Chemicals division, we are committed to offer a suite of solutions to help you meet market demands for more sustainable products.

Our oleochemical portfolio can provide benefits such as high active surfactants, preservative free solutions, innovative technologies, market recognized certifications and sustainable sourcing of key raw materials.

These examples are simply an introduction to the various solutions we can offer. We'd love to discuss these offerings with you in more detail.



## High Active

### Impacting the Environmental Footprint

Whether it is freight savings, reduced CO<sub>2</sub> impact, more efficient handling and supply chain or preservative-free solutions, switching to high active surfactants delivers tangible solutions without sacrificing formulation performance.

High active chemistries are concentrated and have less water. This results in more efficient transportation logistics as well as the ability to skip the preservative. Switching to a high active surfactant is easy and requires minor logistics considerations as well as formulation adjustments. We offer conversion services that make this process seamless for you.



#### **Featured Product: Texapon N 70 NA** *Sodium Lauryl Ether Sulfate*

A versatile base oleochemical that has several market uses and multiple applications. It can be used in personal care, home care, institutional cleaning, industrial and agricultural chemical solutions.



## Preservative Free

### Enabling Versatility in Formulations

The regulatory, retailer and consumer expectations for allowed preservatives in home and personal care applications is quickly evolving. Working with preservative free surfactants allows brands the flexibility to quickly respond to changing requirements while still maintaining consistent formulation performance and consumer experience.

Using preservative-free surfactants also makes it possible to use the same chassis in different regions even though preservative requirements may differ from one region to another — a benefit providing formulation versatility.

#### **Featured Product: Dehyton PK 45** *Cocamidopropyl Betaine*

This product is a base building block in personal care applications. It's sought for its mildness, foaming, high activity, preservative free composition and its synergistic effects with other surfactants allowing you to have flexibility in formulations.

## Innovative Products

### A Fresh Approach with New Chemistries

Whether designing new chemistries, exploring unique raw material sourcing, creating remarkable formulations or finding innovative supply chain options, you can count on BASF to be your creative solutions provider. Our passion for innovation means you have access to the newest technologies and emerging offerings.



#### **Featured Product: Dehyton AO-45** *Algal Betaine*

Made from renewable micro-algae oil using a highly controlled fermentation process to convert sugarcane into oils of the highest purity and performance. This new algal betaine is a high-performance alternative to cocamidopropyl betaine or other secondary surfactants in products that require rich and gentle foam for personal care applications.



# Bio Preferred

## Verified Natural Content

With the growing demand for naturally derived ingredients in consumer and institutional products, labels such as USDA Bio-preferred seal are a good way to confirm the natural content in the raw ingredients used in your products.

Our broad portfolio of renewable products provides a diversity of choices that help you meet the biobased minimum required by the USDA.

### Featured Product: **Texapon LS 30 NA** *Sodium Lauryl Sulfate*

A preservative free sulfate that provides flash foaming and detergency and can be used in hard surface cleaning, hand soap, liquid laundry, manual & auto dish applications.

# Certifications

## Formulating with Ecolabels in Mind

As consumers become more environmentally savvy, they are looking for certifications and eco-labels on the products they buy. The BASF global network monitors the various standards around the world and provides ingredients recommendations and starting formulations that make it easier to formulate products that meet the stringent requirements.

BASF's extensive portfolio of products means you have many ingredient choices. Our recommendations make it easier and faster to get consumer products approved.



**280+** BASF Personal Care Ingredients are pre-approved by the Natural Products Association for the natural standard



**60+** BASF ingredients are listed on the CleanGredients List

### Featured Product: **Lanette** *Fatty Alcohols*

High purity fatty alcohols and alcohol blends derived from natural oils, providing viscosity modification in hair care formulations, creme cosmetics and antiperspirants.

# Sustainable Sourcing

## Ensuring Responsible Sourcing of Palm-based Raw Materials



### Understanding the Palm Market

Consumers care about the environmental impact of the products they use and pay attention to the sustainability of oil palm products. Many suppliers and brand producers have committed themselves to certified sustainable palm products.

For BASF, palm kernel oil in particular and its derivatives are key renewable raw materials. The oil from crushed palm kernels is the basis for many home and personal care ingredients offerings. As a member of the Roundtable on Sustainable Palm Oil (RSPO) since 2004 and as one of the largest suppliers of palm based products for the home, cleaning and personal care industries, BASF works closely with stakeholders along the palm supply chain, from the smallholder to the end consumer product manufacturers to transform the market towards RSPO certified palm.

BASF is committed to foster sustainable palm by procuring all oils only from RSPO certified sources by 2020 and source significant intermediates as RSPO certified by 2025. In addition to this, we leverage our global network to ensure that our production sites globally are RSPO certified. In fact, all of the oleochemical sites in North America have been certified since 2015. We currently have immediate availability of a broad portfolio of mass balance certified products.



### BASF Offering

We offer one of the largest portfolios of products based on RSPO certified palm kernel oil for the home care, personal care and agchem additives markets. With sites in Asia, North America, South America and a multi-site certification that covers European sites, we have the largest global network to ensure a steady supply of material for you.

### Switching is Easy ...

We offer a multitude of products both domestically produced and imports. Best of all, no recertification, reformulation or testing is required. Most importantly, your possibilities are nearly endless. We make it easy for you to meet your sustainability goals and appreciate your willingness to collaborate with us on this journey to RSPO-certified ingredients. For more information contact your BASF representative or the [BASF website](#).



# Delivering a Suite of Sustainable Solutions



	BASF Trade Names	High Activity	Preservative Free	Innovative Products	Bio Preferred	Certifications	Sustainable Palm (Mass Balance)
<b>Methyl Esters</b>	Pernil®	✓	✓			✓	✓
<b>Fatty Alcohols</b>	Lanette® Lorol® Stenol® Hydrenol® HD-Ocenol®		✓	✓	✓	✓	✓
<b>Anionic Surfactants</b>	Agnique® Plantapon® Standapol® Sulfapon® Texapon®	✓	✓	✓	✓	✓	✓
<b>Betaines</b>	Dehyton®	✓	✓	✓	✓	✓	✓
<b>Amphoacetates</b>	Dehyton®				✓	✓	✓
<b>Alkanolamides</b>	Comperlan®		✓		✓	✓	✓
<b>Amphoteric Propionates</b>	Deriphat®		✓				



# Methyl Esters & Fatty Alcohols



Products	High Activity	Preservative Free	Innovative Products	Bio Preferred	Certifications	Sustainable Palm (Mass Balance)
<b>Chemistry: Methyl Esters</b>						
BASF Trade Name: Pernil®						
Pernil ME 8-18						
Pernil ME 12-18	■	■				■
Pernil ME RESIDUE	■	■				■
<b>Chemistry: Fatty Alcohols</b>						
BASF Trade Names: Lanette®, Lorol®, Stenol®, Hydrenol®, and HD-Ocenol®						
HD-Ocenol 50/55 V	■	■	■			
HD-Ocenol 60/65 V	■	■	■			
HD-Ocenol 70/75 V	■	■	■			
HD-Ocenol 80/85 V	■	■	■			■
HD-Ocenol 90/95 V	■	■	■			
HD-Ocenol 90/95 V S	■	■	■			
Hydrenol D	■	■				■
Lanette 14	■	■		■	■	■
Lanette 16	■	■		■	■	■
Lanette 1665	■	■		■		■
Lanette 18	■	■		■	■	■
Lanette 18 DEO	■	■		■		■
Lanette 22	■	■		■	■	
Lanette D	■	■		■		■
Lanette O	■	■		■	■	■
Lanette O OR	■	■		■		■
Lorol C8-98	■	■				■
Lorol C8-C10	■	■				■
Lorol C8-C10 SPECIAL	■	■				■
Lorol C10-98	■	■				■
Lorol C12-14A	■	■				
Lorol C18 98%	■	■				■
Stenol 1822 SR	■	■				
Stenol 1822 A SAC PA	■	■				

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# Anionic Surfactants



Products	High Activity	Preservative Free	Innovative Products	Bio Preferred	Certifications	Sustainable Palm (Mass Balance)
<b>Chemistry: Anionic Surfactants</b>						
BASF Trade Name: Agnique®, Plantapon®, Standapol®, Sulfapon®, and Texapon®						
AGNIQUE SLES 270	■	■		■		■
PLANTAPON 611 L	■		■	■		■
PLANTAPON 611 L UP	■	■	■	■	■	■
PLANTAREN APB	■		■	■		■
STANDAPOL ES-1				■		■
STANDAPOL ES-1 AC				■		■
STANDAPOL ES-1 K				■		■
STANDAPOL ES-2				■		■
STANDAPOL ES-2 K				■	■	■
STANDAPOL ES-3 K				■	■	■
STANDAPOL WAQ-LC				■		■
STANDAPOL WAQ-LCK				■	■	■
SULFOPON 1216 G	■	■			■	
TEXAPON 842 UP		■			■	
TEXAPON AC 70	■	■				
TEXAPON ALES 70 NA	■	■				
TEXAPON AOS-225 UP					■	
TEXAPON ASV 50						
TEXAPON C 75	■	■		■		■
TEXAPON EA-2 AA						■
TEXAPON K 12 G	■	■				
TEXAPON K 12 P	■	■				
TEXAPON LS 30 NA		■		■		■
TEXAPON N 56	■	■	■	■	■	■
TEXAPON N 70 LD NA	■	■		■		■
TEXAPON N 70 LS	■	■		■	■	■
TEXAPON N 70 NA	■	■		■	■	■
TEXAPON N 701 S	■	■		■		■
TEXAPON NSO HA NA		■	■			
TEXAPON NSO-NA			■			
TEXAPON V 95 G	■	■				
TEXAPON Z 95 P	■	■				
TEXAPON K 14 S SPEZ	■	■				

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# Co-Surfactants



Products	High Activity	Preservative Free	Innovative Products	Bio Preferred	Certifications	Sustainable Palm (Mass Balance)
<b>Chemistry: Alkanolamides</b>						
BASF Trade Name: Comperlan®						
Comperlan 100 NA		■		■		■
Comperlan IP		■		■		
Comperlan KD		■				
Comperlan KD LA		■				
Comperlan LD		■				
Comperlan LDS		■				
Comperlan LLD		■				
Comperlan MIPA		■		■		
Comperlan COD		■				
Comperlan CMEA NA		■		■		
<b>Chemistry: Betaines</b>						
BASF Trade Names: Dehyton®						
Dehyton AB 30		■		■		■
Dehyton AO 45	■	■	■	■		
Dehyton PK 35				■	■	
Dehyton PK 45.	■	■		■	■	■
<b>Chemistry: Amphoacetates</b>						
BASF Trade Names: Dehyton®						
Dehyton ML NA		■		■		■
<b>Chemistry: Amphoteric Propionates</b>						
BASF Trade Names: Deriphat®						
Deriphat 160 C		■			■	

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