



About Us

KALE CARE CHEMICALS is manufacturer of anionic, nonionic, cationic, amphoteric surfactants, speciality systems for **Personal Care** and **Home Care**.

KALE CARE CHEMICALS provides solutions for your needs of **Surfactants, Emulsifiers, Preservatives, Silicone Emulsions, Wet Wipe Systems** and **Actives**.



INNOVATIVE
SOLUTIONS



QUALITY
ASSURANCE



CUSTOMER
FOCUS



GLOBAL
PRESENCE



Commitment to Quality



PLC Systems Enhance Production Safety



Upholding Regulations and Quality Standards



Core Focus on Customer Satisfaction



Ensuring Dependable Delivery, Quality and Cost Efficiency



Testing Preservative Platforms In-house and Externally



Innovating for Efficiency, Diversity and Sustainability



Multinational Certification by Accredited Bodies




Raw material control tests, in-process control tests and finished product control tests are performed. Some of the analytical equipments available in the lab:

- **GC-FID** (For Organic Actives)
- **MT Karl Fischer Titrator** (for Moisture Determination)
- **KEM Autotitrator** (for Active Analysis)
- **MT Karl Fischer Titrator** (for Moisture Determination)
- **HACH Spectrophotometer** (for Fe Analysis)
- **Lovibond Tintometer** (for Color Analysis)
- **Agilent HPLC** (for Organic Actives)

Production Plants

With our modern manufacturing facilities and R&D center in Gebze, Kale Care Chemicals delivers high-quality products at the right price while driving continuous innovation.

Our priority is to create lasting value for our customers by ensuring product quality, on-time availability and reliable performance after sales.

 Our primary focus remains on achieving unparalleled customer satisfaction.



CERTIFICATIONS



EFFCI GMP



Halal



RSPO



ISO 14001



Sedex



EcoVadis



Total Employees
>120



Factory
%50

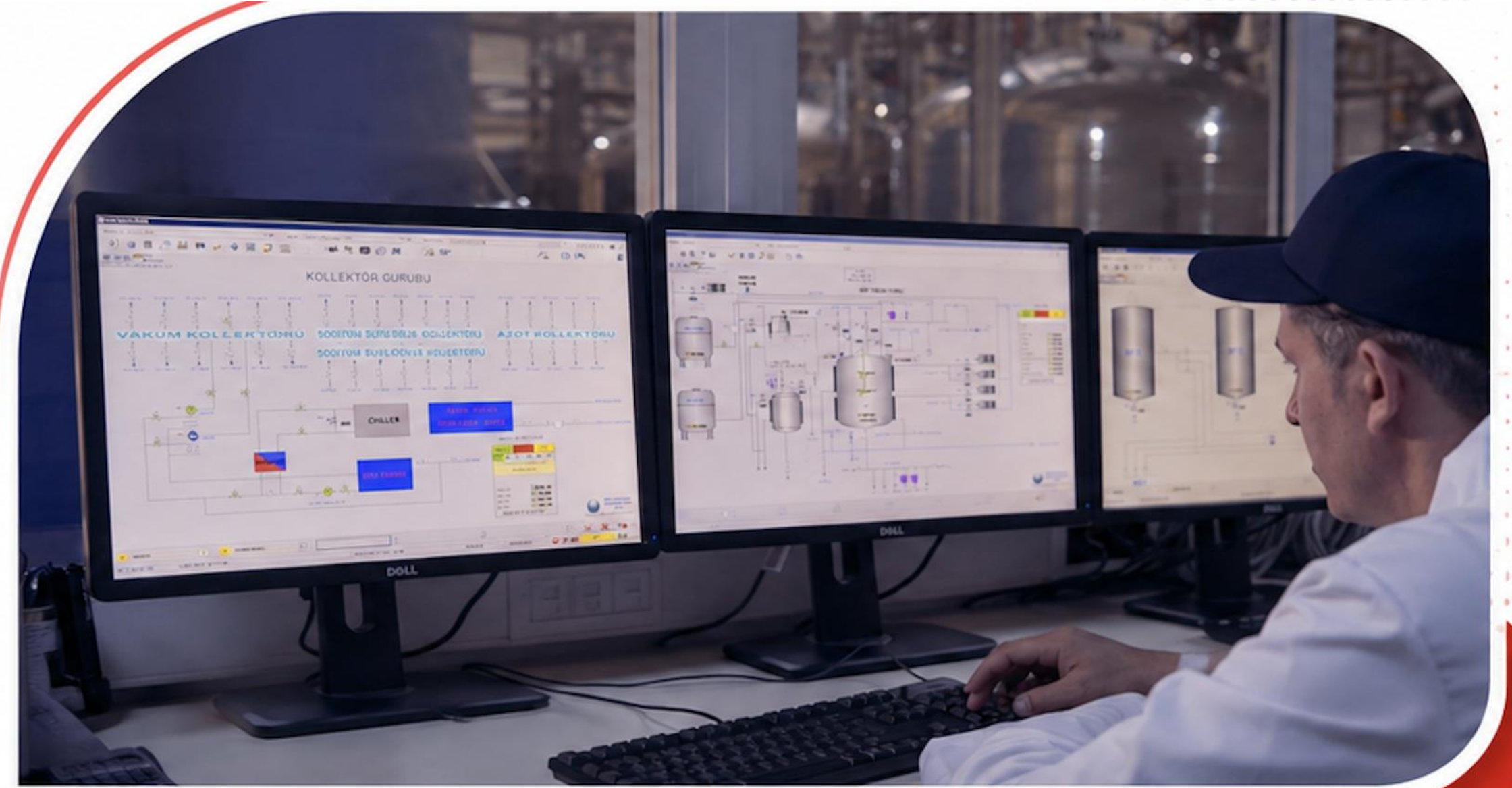


Headquarter
%50

Production

At **KALE CARE CHEMICALS**, our production facilities are managed through advanced **SCADA** and **PLC** systems to ensure real-time monitoring, process control, safety and efficiency at every stage.

Our integrated automation infrastructure enables precise control of all critical parameters, ensuring consistent product quality and operational excellence.



SCADA Monitoring

Real-time visualization of all production parameters and processes.

PLC Control

Reliable automation for precise and consistent process management.

Process Optimization

Data-driven improvements to enhance efficiency and product consistency.

System Integration

Seamless integration of production, quality and performance systems.



Advanced automation ensures stable, safe and high-quality production performance.

Contract Manufacturing Capability



**100,000
tons/yr**



Our dedication to innovation and addressing customer requirements with **cutting-edge solutions.**



Innovative **Personal Care** Solutions

Sulfate-Free Surfactants | Conditioners | Actives | Pearlizers & Opacifiers

www.kalecare.com

UL prospector- Kale Care Products



SULFATE FREE SURFACE ACTIVE SYSTEMS



Mild



Sulfate Free



Nitrosamine Free



Foaming



WHAT ARE SULFATE-FREE SURFACTANTS?

Mild cleansing systems designed for gentle, effective and skin-friendly formulations



Sulfate-free surfactants are cleansing ingredients formulated without traditional sulfates such as **Sodium Lauryl Sulfate (SLS)** and **Sodium Laureth Sulfate (SLES)**. They are designed to deliver effective cleansing with improved skin and scalp comfort.



Mild Cleansing

Gentle cleansing with reduced irritation potential



Rich & Creamy Foam

Balanced foam performance with a soft sensory feel



Sensitive Skin Compatibility

Suitable for baby care, facial cleansers, daily shampoos and body washes



Formulation Flexibility

Compatible with alternative surfactant systems for modern formulations



TEQPON AGG MILD

Sodium Cocoamphoacetate, Glycerin, Lauryl Glucoside,
Sodium Cocoyl Glutamate, Sodium Lauryl Glucose Carboxylate



Mild



Sulfate Free



Foaming



TEQPON AGG MILD

Mild Sulfate-Free Surfactant System for Sensitive Cleansing

EO-FREE | ALKYL SULFATE-FREE | COLD PROCESSABLE | PRESERVATIVE-FREE



INCI COMPOSITION

Sodium Cocoamphoacetate, Glycerin, Lauryl Glucoside, Sodium Cocoyl Glutamate, Sodium Lauryl Glucose Carboxylate



PRODUCT OVERVIEW

TEQPON AGG MILD is a mild, EO-free and alkyl sulfate-free surfactant system developed for cosmetic cleansing formulations.

It is suitable for baby care, facial cleansers, personal care wipes, shower gels, bath preparations and sensitive skin applications.



RECOMMENDED USE
20.0 – 40.0%



pH RANGE
4.0 – 5.5



ACTIVE RATIO
42 – 52%

KEY BENEFITS



MILD SULFATE-FREE ALTERNATIVE

Designed as an alternative to sulfate-based surfactants.



BABY & SENSITIVE SKIN FRIENDLY

Suitable for gentle cleansing concepts.



RICH FOAM BEHAVIOUR

Provides superior foam performance without SLES.



NATURAL-ORIENTED POSITIONING

Supports environmentally friendly and modern formulations.



COLD PROCESSABLE

Easy to handle and suitable for simple production processes.



PRESERVATIVE-FREE

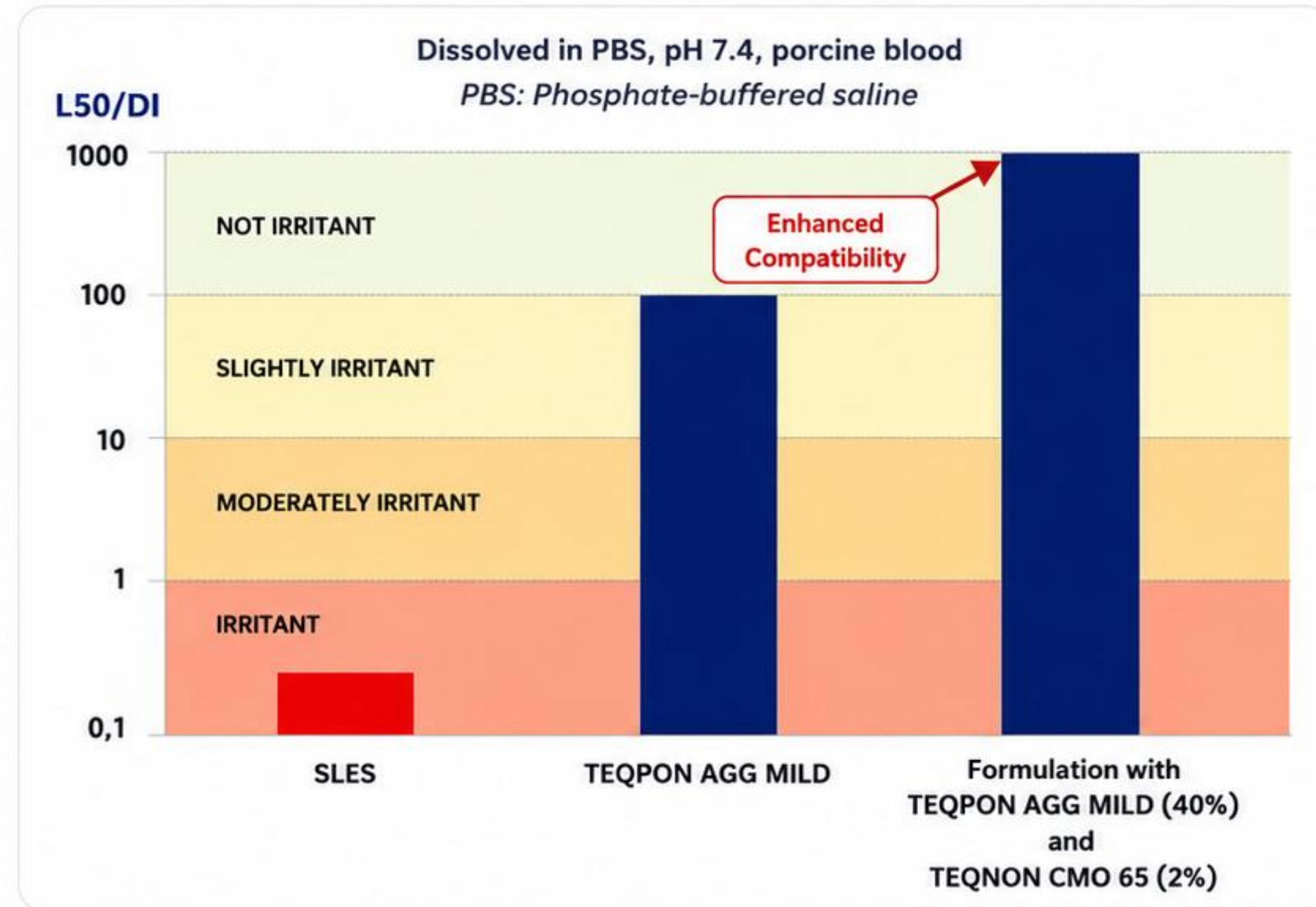
Allows flexibility in preservative system selection.

SKIN COMPATIBILITY

MUCOUS MEMBRANE COMPATIBILITY – RBC TEST



RBC test results demonstrate significantly improved mildness and mucous membrane compatibility compared to SLES.



| L50/DI |
|-------------------------|
| > 100 not irritant |
| > 10 slightly irritant |
| > 1 moderately irritant |
| > 0.1 irritant |
| < 0.1 severely irritant |

 **Exceptional Mildness**



TEQPON ACB

Sodium C14-16 Olefin Sulfonate, Cocamide MIPA, Cocamidopropyl Betaine



Sulfate Free



Nitrosamine Free



Thickener



TEQPON ACB

Surfactant System for Mild Cleansing Formulations

DEA-FREE | EO-FREE | PRESERVATIVE-FREE | ABUNDANT FOAM



INCI COMPOSITION

Sodium C14-16 Olefin Sulfonate,
Cocamide MIPA, Cocamidopropyl
Betaine



PRODUCT OVERVIEW

TEQPON ACB is a surfactant system designed for mild cleansing formulations.

It does not contain Diethanolamine (DEA), Ethylene Oxide (EO) or preservatives.

It provides abundant foam volume and an effective viscosity response to salt.



DRY MATTER
36 – 40%



pH (10%)
11 – 12



SALT RESPONSE
Effective viscosity build

KEY FEATURES & BENEFITS



DEA-FREE

Does not contain diethanolamine.



EO-FREE

Formulated without ethylene oxide.



PRESERVATIVE-FREE

Provides flexibility in preservative selection.



ABUNDANT FOAM

Delivers rich and plentiful foam volume.



SALT-RESPONSIVE

Shows effective viscosity response to salt.



MILD CLEANSING

Suitable for mild cleansing formulations.

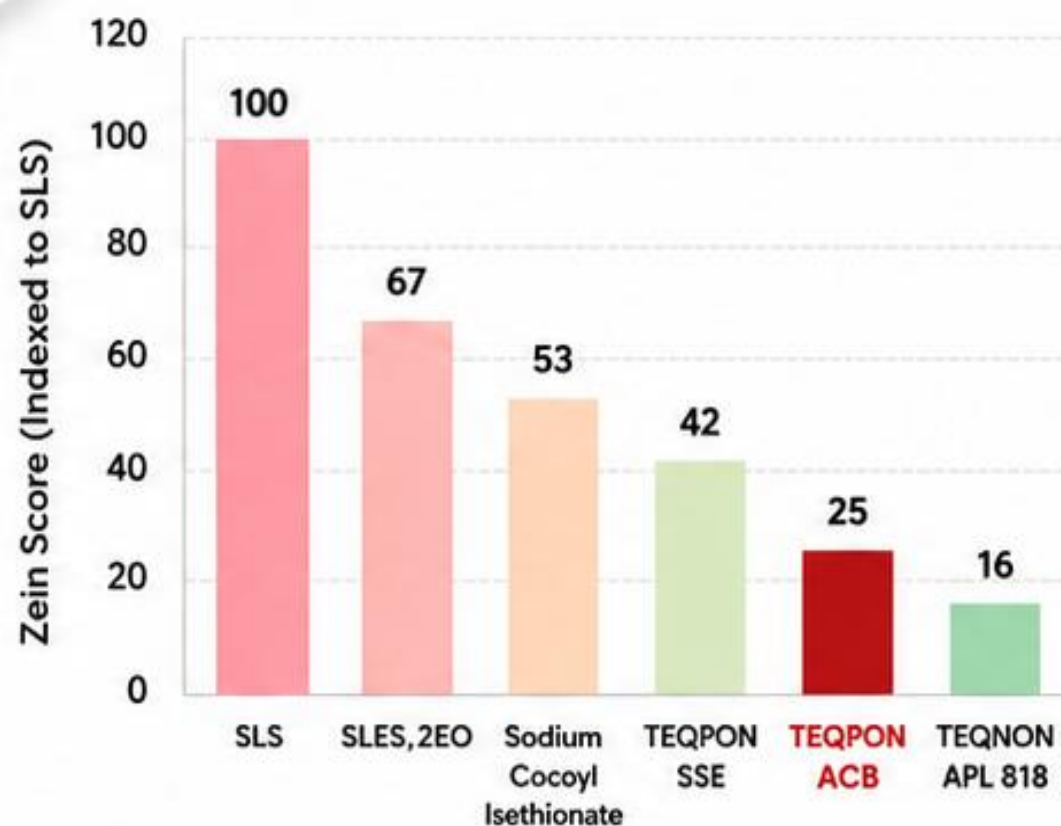
TEQPON ACB PERFORMANCE HIGHLIGHTS

Irritation, Foam Performance and Viscosity Build



1. Lower Irritation Potential

Skin irritation potential of various surfactants



Lower Zein score indicates milder surfactant behavior.

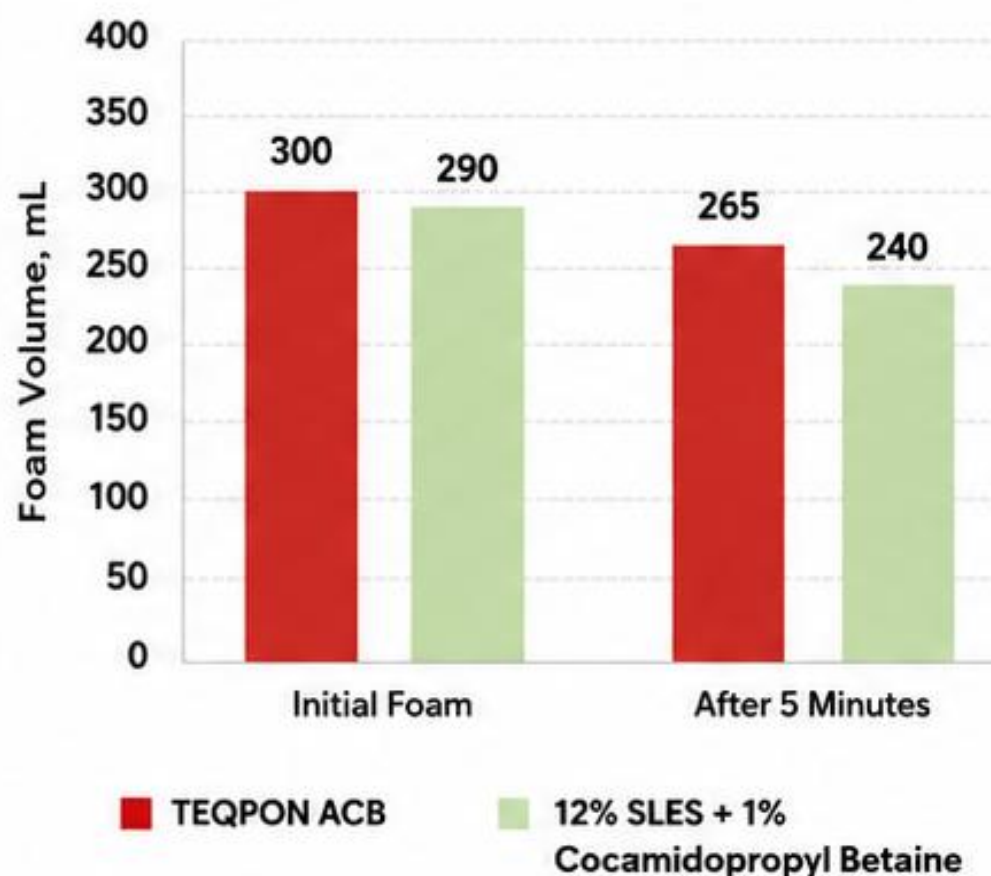


TEQPON ACB shows significantly lower irritation potential than sulfate-based systems.



2. Comparable Foam Performance

Shake Foam Test (0.2 active surfactant systems)

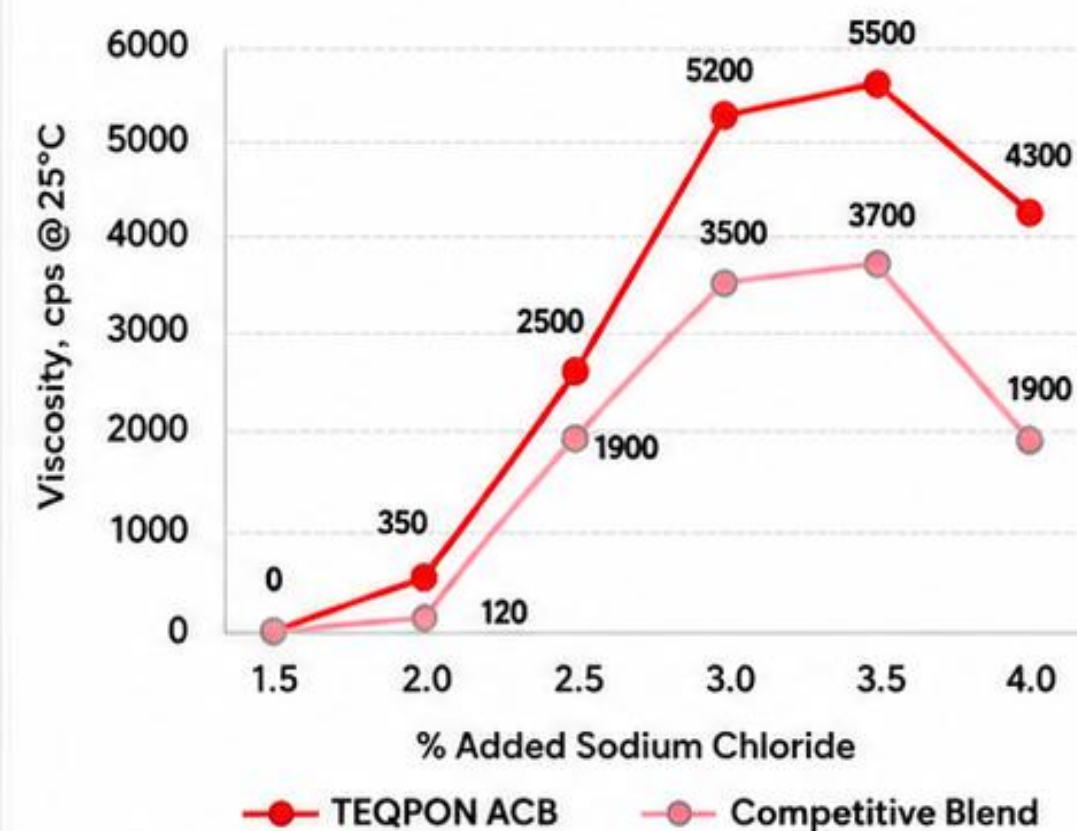


TEQPON ACB delivers foam volume comparable to sulfate-based systems.



3. Strong Viscosity Build

Viscosity



25.6% blend by weight (~10% solids)



TEQPON ACB is more efficient at building viscosity than the competitive blend.

 Key Message



Milder than sulfate-based systems



High and stable foam performance



Efficient salt-thickening response

TEQPON SELG

Lauryl Glucoside, Disodium Laureth Sulfosuccinate



Extended Shelf Life



Mild Foaming System



www.kalecare.com

TEQPON SELG

Gentle Sulfate-Free Cleansing Base
with Rich Foam & Soft Skin Feel

MILD CLEANSING | SULFATE-FREE | NATURAL-ORIENTED | RICH FOAM



SHELF LIFE
EXTENSION



MILD
SULFATE
FREE

INCI

INCI COMPOSITION

Lauryl Glucoside,
Disodium Laureth Sulfosuccinate

INFO

PRODUCT OVERVIEW

TEQPON SELG is a gentle, sulfate-free cleansing base that provides rich foam and a soft, smooth feel while effectively cleansing skin and hair.

Designed for shampoos, facial cleansers, body washes and sensitive skin cleansing concepts.

A

APPEARANCE

Liquid

pH

pH (%5 WATER)

5.0 – 6.5

%

SOLIDS

38.0 – 40.0%

cP

VISCOSITY

< 1000 cP

KEY FEATURES & BENEFITS

M

MILD
SURFACTANT SYSTEM

Gentle cleansing profile
for skin and hair.

F

RICH FOAM
PERFORMANCE

Supports creamy foam and
pleasant sensory feel.

SF

SULFATE-FREE
POSITIONING

Alternative to SLS/SLES-based
cleansing systems.

BIO

NATURAL-ORIENTED
PROFILE

Lauryl glucoside supports
plant-derived positioning.

SK

SENSITIVE SKIN
CONCEPTS

Suitable for daily cleansing
and delicate formulas.

CP

COLD PROCESS
FRIENDLY

Easy to use in simple
cleansing formulations.

SURFACTANT SYSTEM FOR WATER-FREE & OIL-BASED FORMULATION



WATER-FREE

Perfect for
non-aqueous
systems



OIL COMPATIBLE

Specifically designed
for oil-based
formulations



RICH FOAM

Transforms oils
into luxurious,
creamy foam



MILD CLEANSING

Gentle on skin with
excellent cleansing
performance

TEQPON
OIL FOAM



TEQPON OIL FOAM

Surfactant System for Mild Cleansing Formulations

DEA-FREE | EO-FREE | PRESERVATIVE-FREE | ABUNDANT FOAM



INCI COMPOSITION

MIPA-Laureth Sulfate,
Laureth-3,
Laureth-7 Citrate

PRODUCT OVERVIEW

TEQPON OIL FOAM is a surfactant system designed for mild cleansing formulations.

It does not contain Diethanolamine (DEA), Ethylene Oxide (EO) or preservatives.

It provides abundant foam volume and an effective viscosity response to salt.

FEATURES & BENEFITS

- Surfactant systems for non-aqueous personal care product
- Good solubilizing ability for oil compounds
- Provides a pleasant skin sensation after use
- Helps maintain skin moisture balance
- Cold processable
- Alkanolamide free
- Suitable for Amine-free formulations
- Excellent foaming behavior

DRY MATTER
36 - 40%

pH pH (10%)
11 - 12

SALT RESPONSE
Effective viscosity build

SPECIFICATIONS & APPLICATIONS

- Appearance: Clear Liquid
- Anionic surfactant: 33.0-36.0%
- pH: 5.5-6.5

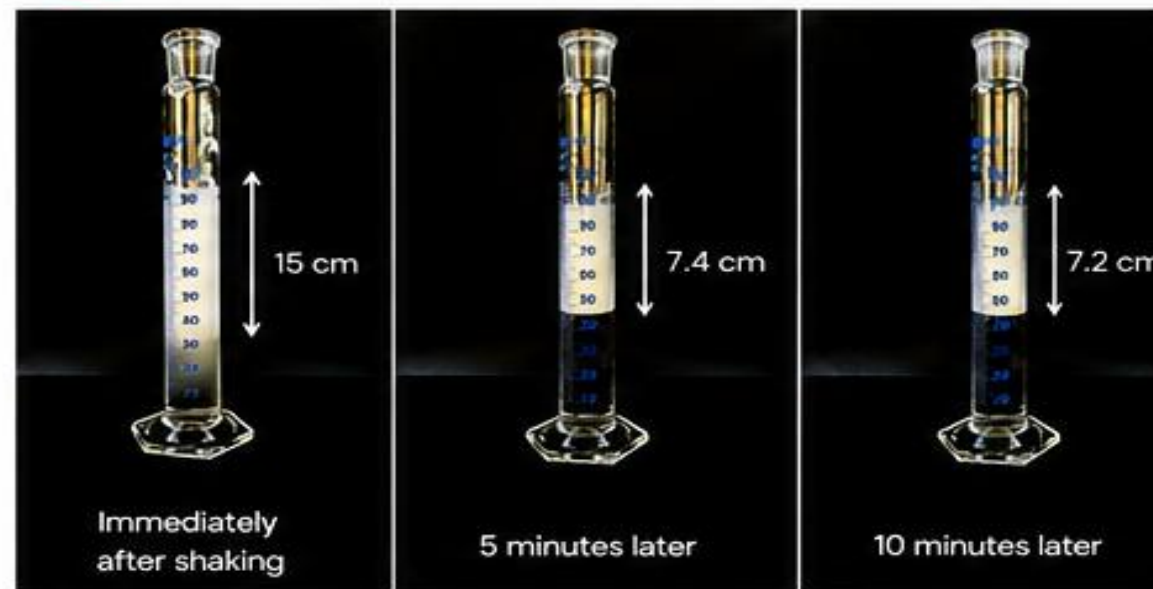
Recommended use:
40.0-60.0%

Suitable pH:
4.5-5.5.

APPLICATIONS

- Oil Showers
- Bath Oils
- Oil Facial Cleanser

%10 TEQPON OIL FOAM SOLUTION - FOAM HEIGHT TEST



Test Method:

%10 TEQPON OIL FOAM | Temperature = 25°C | 30 times shake

TEQPON OIL FOAM - FORMULATION EXAMPLE

INCI NAME: MIPA-Laureth Sulfate, Laureth-3, Laureth-7 Citrate

Formula No
2138 / SHOWER OIL

Description
It provides intensive care to your skin thanks to the oils it contains.

| Material Name | Chemical Name | % Usage |
|------------------------|--|---------|
| TEQPON OIL FOAM | MIPA-Laureth Sulfate, Laureth-3, Laureth-7 Citrate | 54,50 |
| COCO-CAPRYLATE/CAPRATE | Coco-Caprylate/Caprato | 15,00 |
| COTTON SEED OIL | Gossypium Herbaceum (Cotton) Seed Oil | 10,00 |
| AVOCADO OIL | Persea Gratissima (Avocado) Oil | 10,00 |
| SOYABEAN OIL | Glycine Soja Oil | 10,00 |
| VITAMIN E | Tocopheryl Acetate | 0,50 |

Appearance
Clear, liquid.



DEA-FREE
Does not contain diethanolamine.

EO-FREE
Formulated without ethylene oxide.

PRESERVATIVE-FREE
Provides flexibility in preservative selection.

ABUNDANT FOAM
Delivers rich and plentiful foam volume.

SALT-RESPONSIVE
Shows effective viscosity response to salt.

MILD CLEANSING
Suitable for mild cleansing formulations.



HAIR CARE CONDITIONING, TREATMENT & STYLING SYSTEMS



D5 Free



Thickening



Anti-Dandruff



Care



TEQFEEL QRT

☉ Silicone Quaternium-18, Trideceth-6, Trideceth-12



Wet Combing



Dry Combing



Color Protection



TEQFEEL QRT

Micro Silicone Emulsion for Hair Conditioning & Protection



Silicone Quat Technology



Clear Formulations



Hair Smoothness



Heat & Color Protection



INCI COMPOSITION

Silicone Quaternium, Trideceth-6, Trideceth-12



PRODUCT OVERVIEW

TEQFEEL QRT is a micro silicone emulsion based on quaternized amino functional silicone polymer. It provides multifunctional conditioning benefits for hair care and bath care formulations, improving smoothness, combability, shine and protection.



RECOMMENDED USE

0.5 – 3.0%



TECHNOLOGY

Silicone Quat Micro Emulsion



FORMULATION TYPE

Clear / Easy to Formulate

22

KEY FEATURES & BENEFITS



MICRO SILICONE TECHNOLOGY

Advanced conditioning performance with silicone quat technology.



WET & DRY COMBING

Improves combability and helps reduce friction.



HAIR SMOOTHNESS

Provides soft, smooth and pleasant hair feel.



ANTI-BREAKAGE SUPPORT

Helps reduce split ends and hair breakage.



VOLUME & VITAL LOOK

Enhances hair appearance, strength and vitality.



HEAT & COLOR PROTECTION

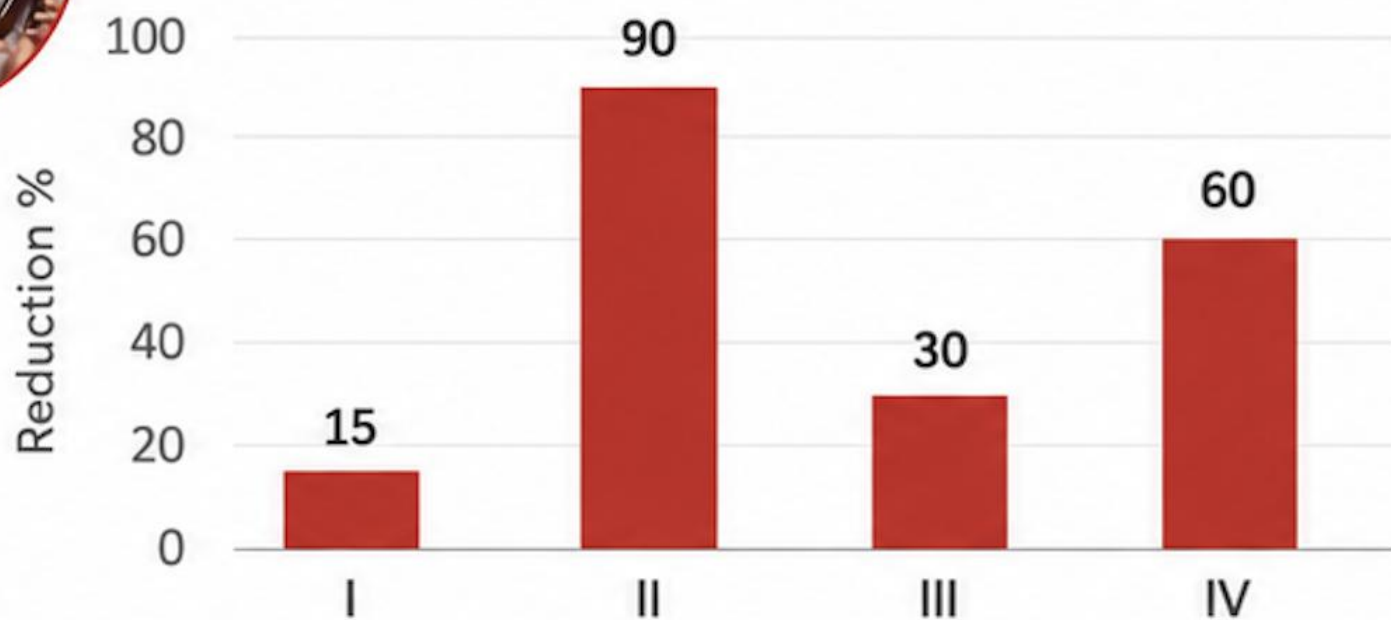
Supports protection against heat and color fading.

TEQFEEL QRT COMBING PERFORMANCE

Wet and dry combing force reduction compared with benchmark systems



DRY COMBING FORCE REDUCTION %



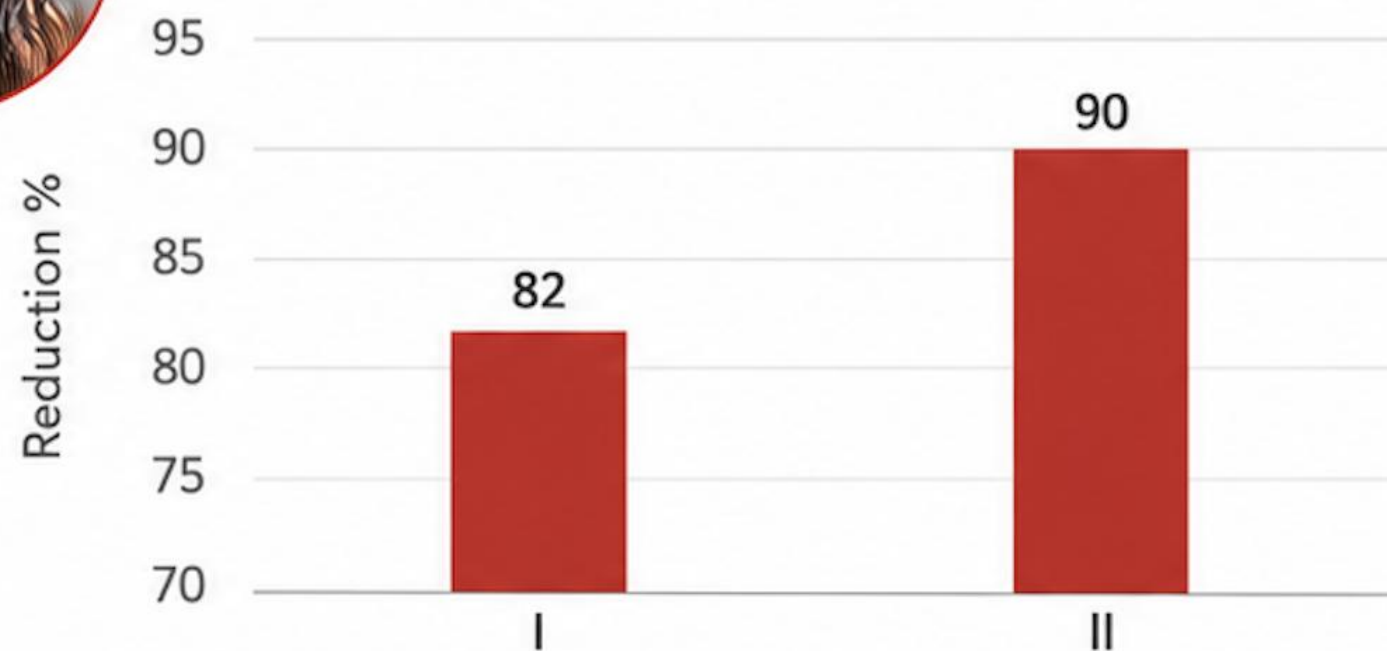
| | |
|-----|---------------------------------------|
| I | Commercial benchmark with no silicone |
| II | Teqfeel QRT conditioner |
| III | Amodimethicone conditioner |
| IV | Commercial benchmark with silicone |



TEQFEEL QRT shows the highest dry combing force reduction, offering a soft, light and natural feel while improving gloss and alignment.



WET COMBING FORCE REDUCTION %



| | |
|-----|--|
| I. | Commercial Benchmark |
| II. | Simple Conditioner: Glyceryl Stearate, Cetearth-20 and Cetearth-12, Cetearyl Alcohol and Cetyl Palmitate 10%; Teqfeel QRT 5%; Water qs to 100% |



Force required to comb is significantly reduced compared with benchmark.

TEQFEEL HSB SERIES

Hair Serum Bases

Silicone-based serum bases that deliver exceptional shine and care for all hair types.



SHINE

Enhances hair shine and luster.



CARE

Nourishes and protects, leaving hair smooth and silky.





TEQFEEL HSB Series

Ready-to-Use Silicone Serum Systems

TEQFEEL HSB products are pre-adjusted, ready-to-use serum systems designed for direct use in hair serum concepts. Each grade offers a different sensory profile and viscosity level, making formulation faster and easier.



Ready-to-Use



Ready-to-Fill



Pre-Adjusted Viscosity



Easy to Customize

1 D5-CONTAINING SYSTEM



TEQFEEL HSB 400

INCI: Dimethiconol, Cyclopentasiloxane

- Approx. viscosity: **400 cps**
- Ready-to-use silicone serum system
- Traditional D5 sensory profile
- Fast spreading, silky touch, elegant dry-down
- Dimethiconol provides shine, smoothness and frizz control
- Cyclopentasiloxane (D5) gives the classic light, volatile sensory
- Suitable for premium hair serum applications

2 D5-FREE SYSTEMS



TEQFEEL HSB 100

INCI: Dimethiconol, Dimethicone, C15-19 Alkane

- Approx. viscosity: **100 cps**
- Ready-to-use silicone serum system
- Lightweight, silky sensory
- C15-19 Alkane supports light spreadability and elegant glide
- Dimethicone adds smooth conditioning
- Dimethiconol contributes shine and control
- Ideal for lighter and more sprayable serum concepts



TEQFEEL HSB 300

INCI: Dimethiconol, Isododecane

- Approx. viscosity: **300 cps**
- Ready-to-use silicone serum system
- Ultra-light, dry-touch sensory
- Isododecane gives fast spreading and fast evaporation
- Dimethiconol supports shine and frizz control
- Suitable for lightweight and modern dry-touch serum concepts



TEQFEEL HSB 600

INCI: Dimethiconol, Isododecane, Dimethicone

- Approx. viscosity: **600 cps**
- Ready-to-use silicone serum system
- Richer conditioning feel
- Dimethicone enhances richness and smoothness
- Isododecane helps keep the finish elegant and less greasy
- Dimethiconol delivers shine and smoothness
- Suitable for richer premium serum concepts



CUSTOMIZATION OPTIONS



All TEQFEEL HSB systems are ready to use, but they can also be differentiated further. For more shine, high refractive index ingredients such as **Phenyl Trimethicone** or **Phenyl Methicone** can be added. For a warm orange appearance, **Carrot Oil** can be incorporated. For extra product identity and added care benefits, specialty oils such as **Argan Oil** can be used.



The HSB number indicates the approximate current viscosity level of the product. If a lighter viscosity is desired, the system can be adjusted with high-volatility carriers to reduce heaviness without increasing greasiness.

TEQCON CMBS

Cetearyl Alcohol, Behentrimonium Methosulfate

Conditioning base for advanced hair and skin care formulations. Delivers elegant conditioning performance with a soft feel, volume support and skin conditioning benefits.



READY CONDITIONER

Supports easy conditioner formulation



VOLUME

Helps provide body and fuller hair feel



SKIN CONDITIONER

Suitable for skin care conditioning concepts



WET COMBABILITY

Improves manageability and detangling



Versatile conditioning performance for **healthy-looking, soft and manageable hair.**

TEQCON CMBS

Conditioning agent and self-emulsifying wax for hair and skin care formulations

WET COMBABILITY | MILDNESS | PRIMARY EMULSIFIER | SILICONE EMULSIFICATION



INCI COMPOSITION

Cetearyl Alcohol,
Behentrimonium Methosulfate



PRODUCT OVERVIEW

TEQCON CMBS is an exceptionally effective cationic self-emulsifying wax and quaternary conditioner for hair and skin care applications. It offers enhanced conditioning and emulsifying properties, excellent wet combability, improved mildness, and is suitable for modern cosmetic formulations.

APPLICATIONS

- ✓ Leave-on and rinse-off conditioners
- ✓ Hair detanglers
- ✓ Hair bodying conditioners
- ✓ Skin creams and lotions
- ✓ Protective silicone emulsions
- ✓ Hair relaxer creams / ethnic hair conditioners
- ✓ Antiperspirant / deodorant sticks



APPEARANCE

White solid



% ACTIVE

25



RECOMMENDED USE

1-10%



PALM-DERIVED /
RSPO MASS BALANCE

KEY FEATURES & BENEFITS



Excellent Wet Combability

Superior detangling and reduced combing forces



Outstanding Conditioning

Leaves hair soft, smooth and easy to manage



Improved Mildness

Lower irritation potential and gentle to skin



Low CMC

Less monomeric surfactant, reduced irritation potential



Primary Emulsifier

Produces stable cationic emulsions at low inclusion levels



Silicone Emulsification

Emulsifies high levels of silicone effectively



Thickening / Stabilising

Helps build viscosity and stabilise formulations



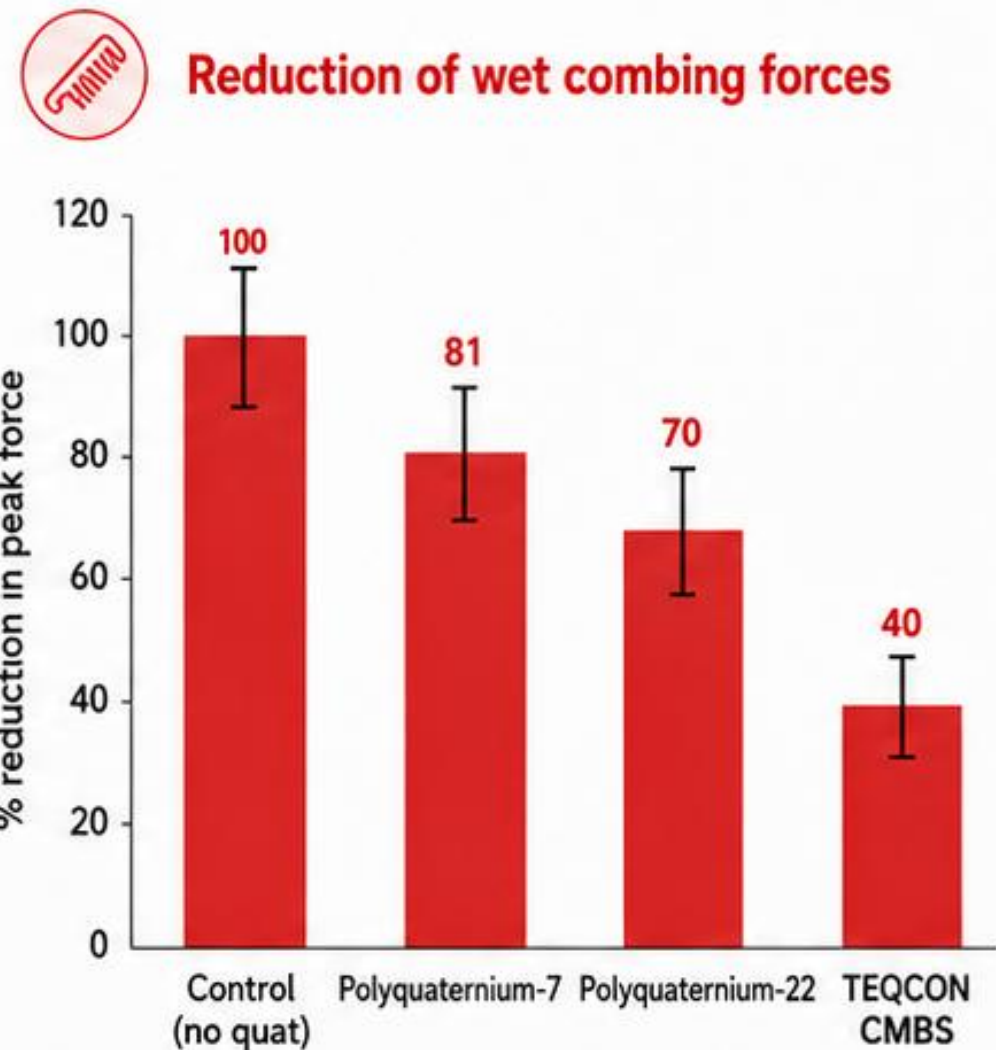
Vegetable-Derived

Palm-derived and sustainably sourced

TEQCON CMBS

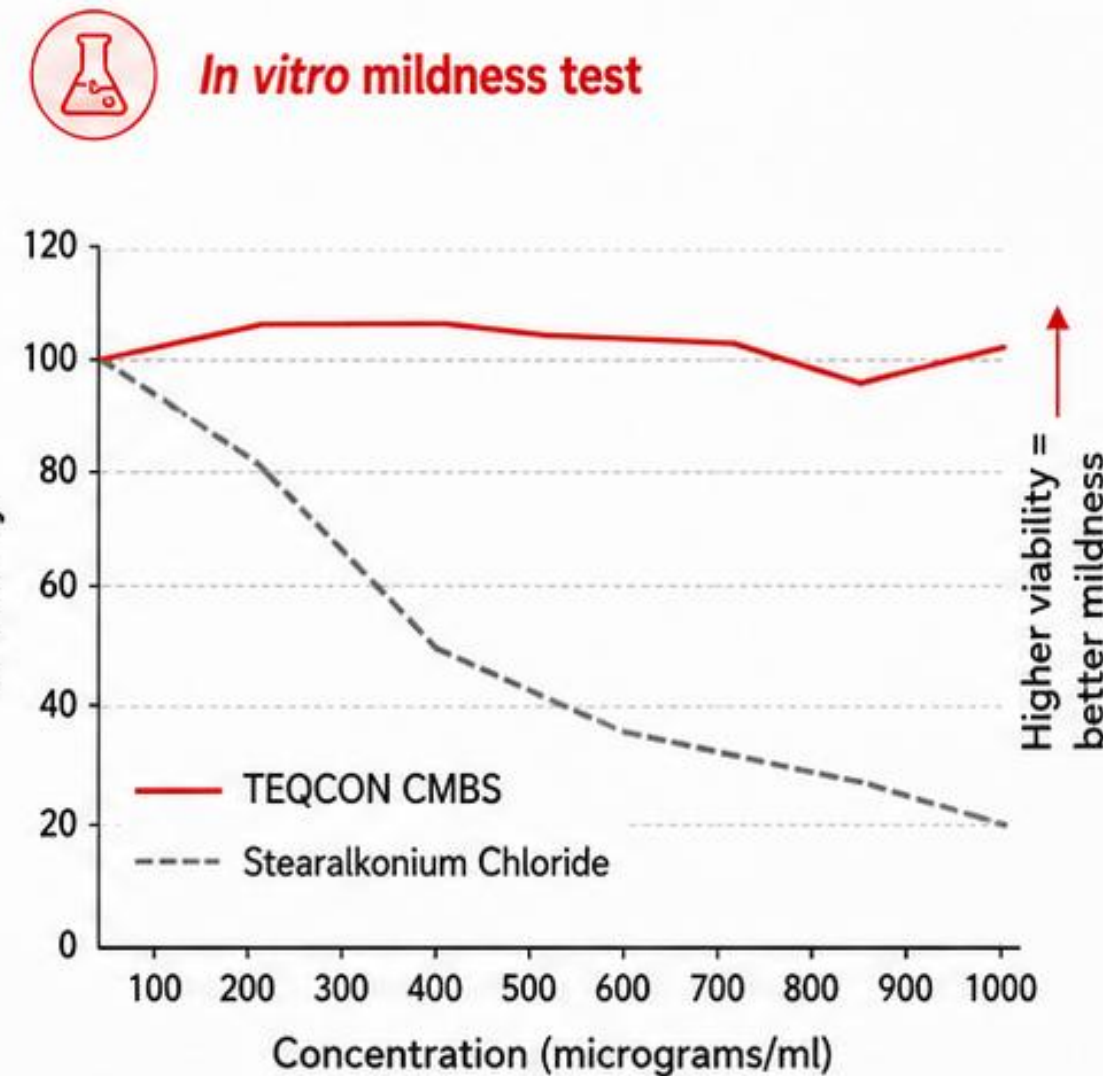
Performance & Mildness Data

WET COMBABILITY | IN VITRO MILDNESS | PRIMARY EMULSIFIER | SKIN-FRIENDLY PERFORMANCE



Lower values indicate easier wet combing and superior detangling performance.

28



TEQCON CMBS maintains significantly higher cell viability, indicating lower irritation potential.

KEY PERFORMANCE HIGHLIGHTS

- Excellent wet combability
- Improved mildness / lower irritation potential
- Effective primary emulsifier at low inclusion levels
- Suitable for hair and skin care formulations



TECHNICAL HIGHLIGHT

TEQCON CMBS is a powerful primary emulsifier capable of forming stable cationic emulsions at low inclusion levels, including systems with high levels of silicone materials.



Based on comparative data provided for Behentrimonium Methosulfate systems.

TEQPON CLL

Sodium Caproyl Lauroyl LActylate

Surfactant active solution for advanced **anti-dandruff and scalp care formulations.**



ANTI-DANDRUFF

Targets dandruff at the source



ANTI-ODOR

Helps control unpleasant odor



FOAM BOOSTING

Enhances foam volume and stability



SURFACTANT ACTIVE

Effective performance in dandruff care



Advanced care for a **healthy, clean and balanced scalp.**

TEQPON CLL

Multifunctional Anionic Active for Scalp & Skin Cleansing Concepts



INCI NAME Sodium Caproyl/Lauroyl Lactylate

Water-free, PEG-free and natural-oriented anionic active with excellent foaming support and antimicrobial performance for targeted scalp and skin concepts. The technical profile supports anti-dandruff, scalp care, hygiene and sensitive cleansing.



RINSE-OFF
DOSAGE

0.5 – 2.0%



LEAVE-ON
DOSAGE

0.5 – 1.0%



pH
APPLICATION

4.0 – 6.5



NATURAL
COMPLIANT

YES
COSMOS / ECOCERT



GMO STATUS

Non-GMO

KEY TECHNICAL BENEFITS



ANTI-DANDRUFF SUPPORT

Targets Malassezia-related scalp concepts and helps support dandruff-control positioning.



SCALP & SKIN HYGIENE

Suitable for scalp care, cleansing and selected hygiene concepts.



FOAM BOOSTING

Improves foam height and quality in cleansing formulations.



PEG-FREE / WATER-FREE

Supports clean-label, natural-oriented and modern formulation claims.



PROCESS FLEXIBLE

Can fit hot/hot, hot/cold and cold/cold emulsion. Viscosity should be adjusted.



EASY HANDLING

Liquid format enables easy dosing and handling.



Effective against key microorganisms including *Malassezia furfur*, *Trichophyton* species and *Candida albicans*.

TARGET FORMULATION AREAS

Anti-dandruff shampoo | Scalp cleanser | Liquid soap | Leave-on scalp tonic | Sensitive cleansing formulations

TEQPON CLL

KERATINIZATION OF THE SCALP MEASUREMENT

Skin Lab
P. S. A.
Specialized Research Laboratory



All anti-dandruff efficacy tests were conducted by Skin Lab (P.S.A.) with 10 volunteers over a 4-week period.

KALECARE
CHEMICALS



CUSTOMER 1 – Uses Climbazole

Customer's existing shampoo contained %1 Climbazole. Climbazole was replaced with %2 and %3 TEQPON CLL in the same formula. All three formulations were tested.

| FORMULATION | ACTIVE | AVERAGE PARAMETER VALUE (µm) | | RESULT (% REDUCTION) |
|----------------------------------|---------------|------------------------------|---------------|----------------------|
| | | BEFORE | AFTER 4 WEEKS | |
| Market Reference (%1 Climbazole) | %1 Climbazole | 42,56 | 31,78 | -25,11% |
| %2 TEQPON CLL | %2 TEQPON CLL | 46,20 | 36,60 | -20,63% |
| %3 TEQPON CLL | %3 TEQPON CLL | 55,00 | 41,90 | -22,94% |



CUSTOMER 2 – Uses Piroctone Olamine

Customer's existing shampoo contained %0,5 Piroctone Olamine. Piroctone Olamine was replaced with %2 TEQPON CLL in the same formula. Both formulations were tested.

| FORMULATION | ACTIVE | AVERAGE PARAMETER VALUE (µm) | | RESULT (% REDUCTION) |
|---|------------------------|------------------------------|---------------|----------------------|
| | | BEFORE | AFTER 4 WEEKS | |
| Market Reference (%0,5 Piroctone Olamine) | %0,5 Piroctone Olamine | 47,50 | 34,60 | -27,31% |
| %2 TEQPON CLL | %2 TEQPON CLL | 47,91 | 38,23 | -20,18% |



Although TEQPON CLL is not an anti-dandruff active like Climbazole or Piroctone Olamine, it **delivered results close to these synthetic actives** in real-life dandruff tests.



WATER-FREE



NATURAL



PEG-FREE



TEQPON CLL

100% natural anionic surfactant with anti-dandruff benefits.



10
VOLUNTEERS



TESTS CARRIED OUT
OVER A 4-WEEK
PERIOD.



APPLICATION
PERFORMED
TWICE A WEEK.



MEASUREMENTS
TAKEN BEFORE
AND AFTER 4 WEEKS.



Effective against key microorganisms including *Malassezia furfur*, *Trichophyton* species and *Candida albicans*.



OPACIFIER PEARLIZER



Microplastic Free



www.kalecare.com

TEQOPACK MP FREE 42

Microplastic Free Opacifier

Glycol Distearate, Sodium Laureth Sulfate,
Cocamidopropyl Betaine, Glyceryl Oleate



Microplastic Free



Opacifier



TEQOPACK MP FREE 42

Microplastic-free opacifier for personal care formulations

MICROPLASTIC-FREE | COLD-PROCESSABLE | BIODEGRADABLE | PURE WHITE APPEARANCE



INCI COMPOSITION

Glycol Distearate, Sodium Laureth Sulfate, Cocamidopropyl Betaine, Glyceryl Oleate

PRODUCT OVERVIEW

Wax-based, acrylates-free opacifier for personal care formulations. Microplastic-free, cold-processable and biodegradable. Delivers luxurious pure white appearance with good formulation compatibility. N.O.I.: 0.92



DRY MATTER
40–44%



ANIONIC ACTIVE
9.0–11.0%



pH
4.0–5.0



PRESERVATION
Sodium Benzoate



RECOMMENDED USE
1.0–3.0%

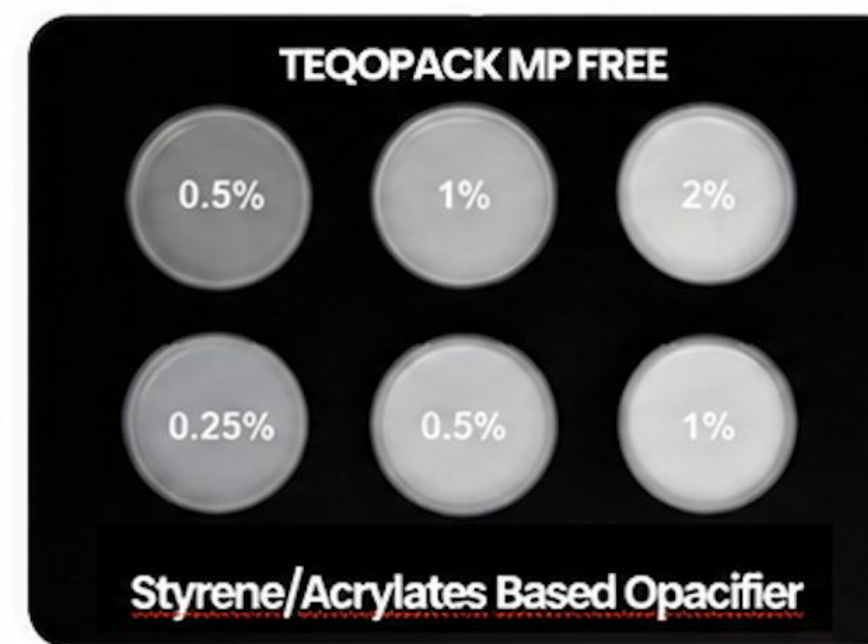
KEY FEATURES & BENEFITS

- Biodegradable
- Cold-processable
- Microplastic free
- Alternative to synthetic polymer based opacifiers
- No pre-dilution
- Easy formulating
- Luxurious pure white appearance
- Good compatibility in product bases

APPLICATIONS

- ✓ Shampoos
- ✓ Bath gels
- ✓ Liquid soaps
- ✓ Facial cleansing

OPACIFYING STRENGTH IN FINISHED FORMULATIONS



TEQPEARL SF 45

Sulfate Free Pearlizer

Glycol Distearate, Laureth-4,
Cocamidopropyl Betaine



Sulfate Free



Pearlizer



TEQPEARL SF 45

Pearlescent agent for personal care formulations

SULFATE-FREE | MICROPLASTIC-FREE | COLD PROCESSABLE | SILKY SHINE



INCI COMPOSITION

Glycol Distearate,
Laureth-4,
Cocamidopropyl Betaine



PRODUCT OVERVIEW

TEQPEARL SF 45 is a radiant pearlescent agent for personal care formulations. It is sulfate and microplastic free, easy to use, and delivers excellent silky shine with high formulation stability.



DRY MATTER
41-45%



pH
3.0-3.5



RECOMMENDED USE
0.5-5.0%



PRESERVATION
Formic Acid



APPLICATIONS

- ✓ Shampoos
- ✓ Shower Gels
- ✓ Liquid Hand Soaps
- ✓ Bubble Bath
- ✓ Conditioners

KEY FEATURES & BENEFITS



Sulfate-Free
Supports sulfate-free concepts



Microplastic-Free
Free from microplastic content



Cold-Processable
Easy incorporation in formulations



Silky Shine
Delivers elegant pearlescent appearance



Low Dosage
Effective at low use levels



Stable Formulations
High mechanical stability and smoothing effect



TEQPEARL SF 45

SULPHATE FREE SHAMPOO FORMULATION

FORMULATION: Developed as per given formulation

TRANSPARENCY & APPEARANCE COMPARISON



SULPHATE FREE

Gentle cleansing with excellent performance

PEARLESCENT & TRANSLUCENT

Superior silkiness and shine

FORMULATION TABLE

| TRADE NAME | INCI NAME | USAGE % |
|-----------------------|--|------------------|
| DEIONIZED WATER | Aqua | q.s. 100 |
| TEQUART PQ-7 | Polyquaternium-7 | 0,80 |
| TEQPON AAB | Lauryl Glucoside, Cocamidopropyl Betaine, Sodium C14-16 Olefin Sulfonate | 15,00 |
| TEQFEEL QRT | Silicone Quaternium, Trideceth-6, Trideceth-12 | 0,50 |
| TEQAMIDE PKA | Palm Kernelamide DEA | 1,50 |
| TEQGUARD PC | Phenoxyethanol, Caprylyl Glycol | 1,00 |
| TEQPEARL SF 45 | Glycol Distearate, Laureth-4, Cocamidopropyl Betaine | 1/2/3/4/5 |

KEY BENEFITS

- ✓ Sulfate free and mild cleansing
- ✓ Pearlescent appearance with excellent clarity
- ✓ Superior silkiness and luxurious shine
- ✓ Improved foam quality and stability
- ✓ Suitable for daily use formulations



TEQPEARL SF 45 delivers pearl-like luster, excellent clarity, and superior silkiness across all usage levels.



Thank You

