



## Mastering Modern Hair Care

Formulate for the Trends that Matter: Part 1

Presented by

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July 10, 2025

## Agenda

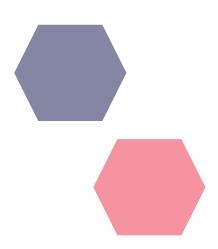
**Objectives** 

- 1 Global hair care market dynamics
- 2 Popular shampoo claims
- Strategies for aligning product development with consumer needs







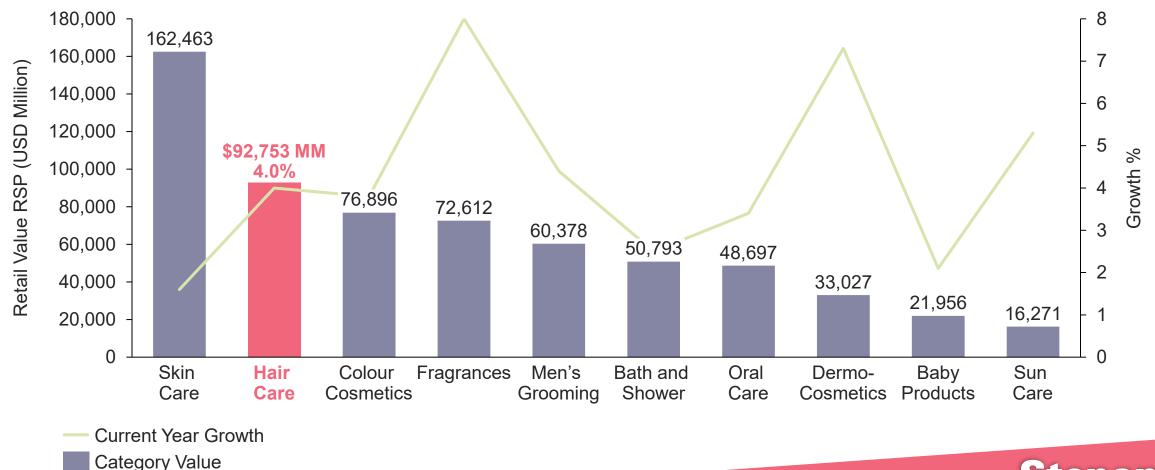


## Exploring the world of modern hair care



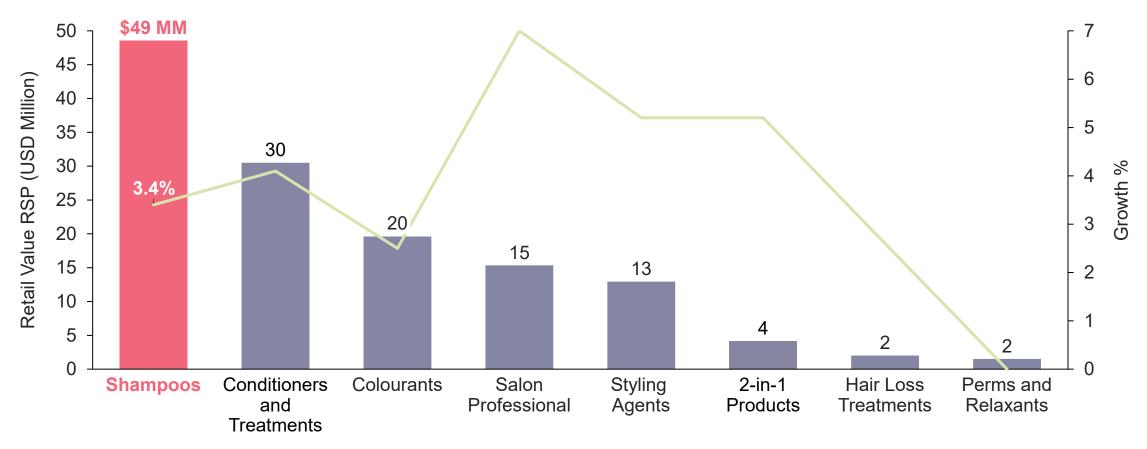
## Second to none (well, almost): global hair care is growing

Global Sales of Beauty and Personal Care by Category Euromonitor 2025



## Shampoo reigns supreme in the hair care hierarchy

Global Sales of Hair Care by Segment Euromonitor 2025



Current Year Growth

Category Value

### Trends shifting to new era of hair care: Smart & Personal



**Skinification** 

Adopting skincare ingredients, formats, and claims



Personalization & Efficacy

Tailored solutions with data-backed claims

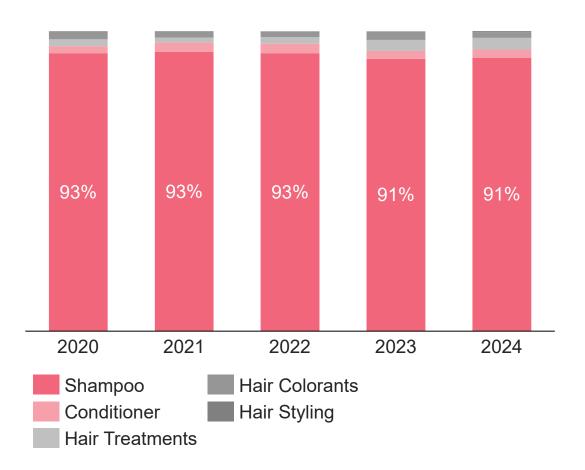


**Premiumization** 

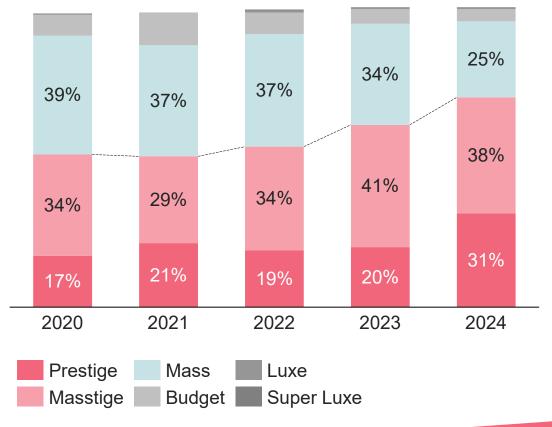
Willingness to invest in hair health and self-care

## Shampoos dominate new launches with Premium growing

>6,500 Global New Hair Products Launches Mintel GNPD 2025

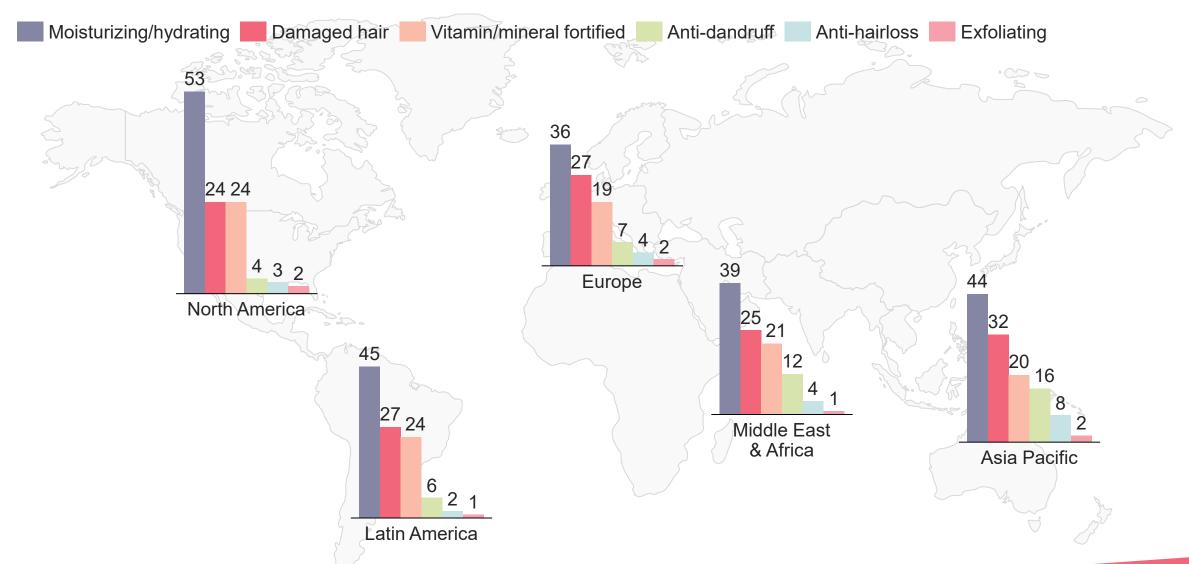


Prestige and Masstige Launches Overtake Mass Mintel GNPD 2025





## New launches are bursting with countless claims



% of Top Claims in Global New Hair Products Launches
Mintel GNPD 2025



## Pop-Up

**Poll #1** 

- How many new shampoo launches are you working on this year?
  - A. 1 2
  - B. 3 5
  - C. More than 5!
  - D. None, we're working on something else

Formulators are challenged with crafting shampoos that satisfy every consumer wish



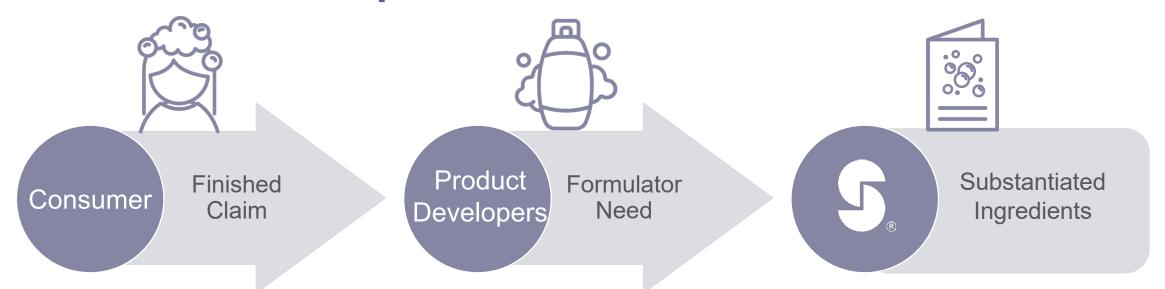


## Pop-Up

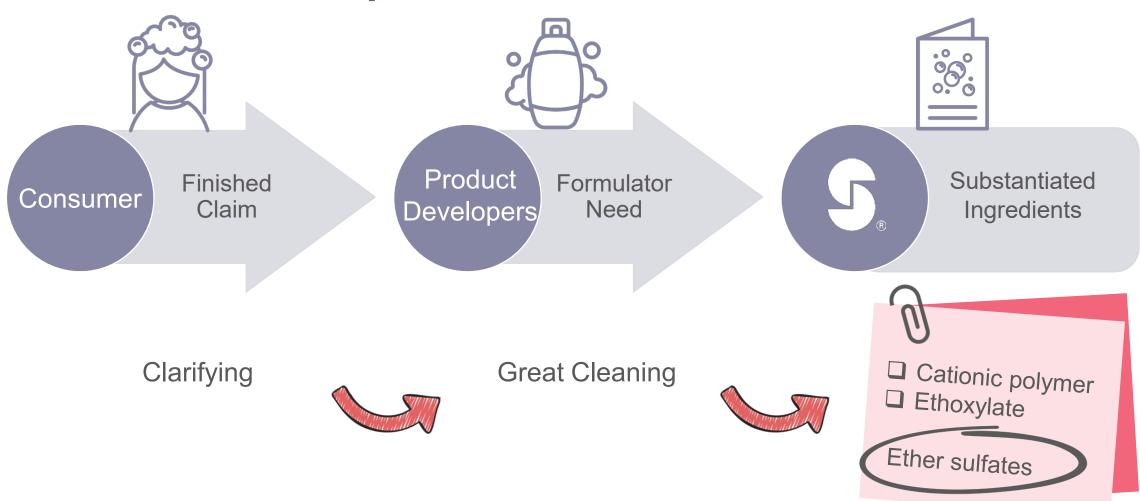
**Poll #2** 

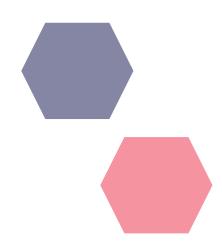
- What are your most challenging shampoo claims to formulate for?
  - A. Moisturizing
  - B. Anti-frizz
  - C. Color protecting
  - D. Detangling
  - E. Hair breakage
  - F. Other

## Transform your shampoo game with Stepan's proven formulation techniques and substantiation



## Transform your shampoo game with Stepan's proven formulation techniques and substantiation



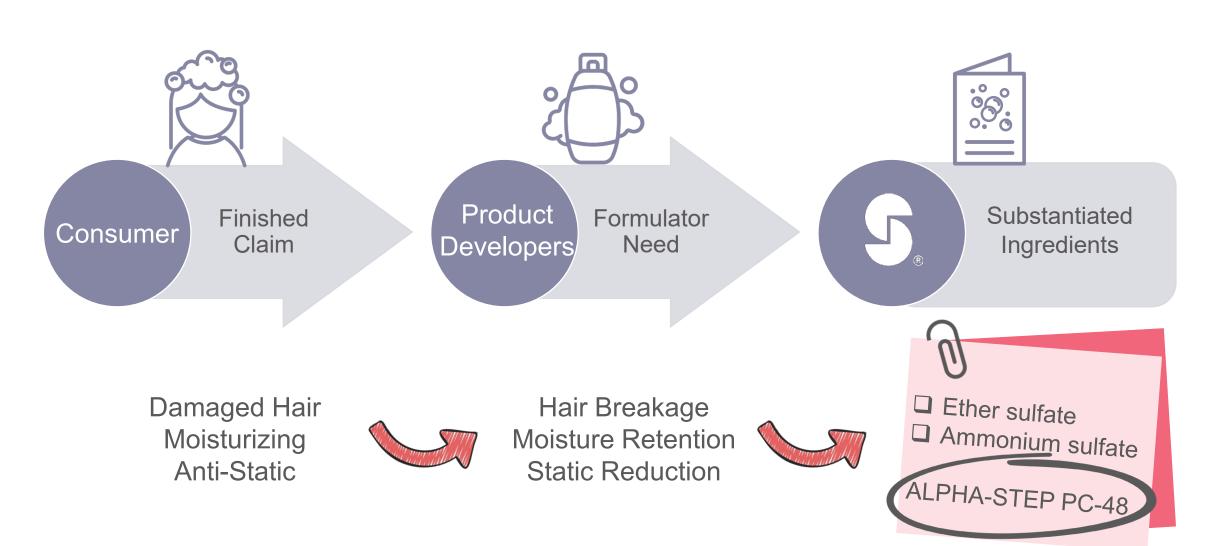


## Formulating for

Moisturizing, Anti-Static & Damaged Hair



## Formulating for top shampoo claims



## The clever chemistry behind ALPHA-STEP PC-48

#### **INCI Name**

Sodium Methyl 2-Sulfolaurate (and) Disodium 2-Sulfolaurate

#### **Appearance**

Clear, light-yellow liquid

#### **Actives**

37-40%



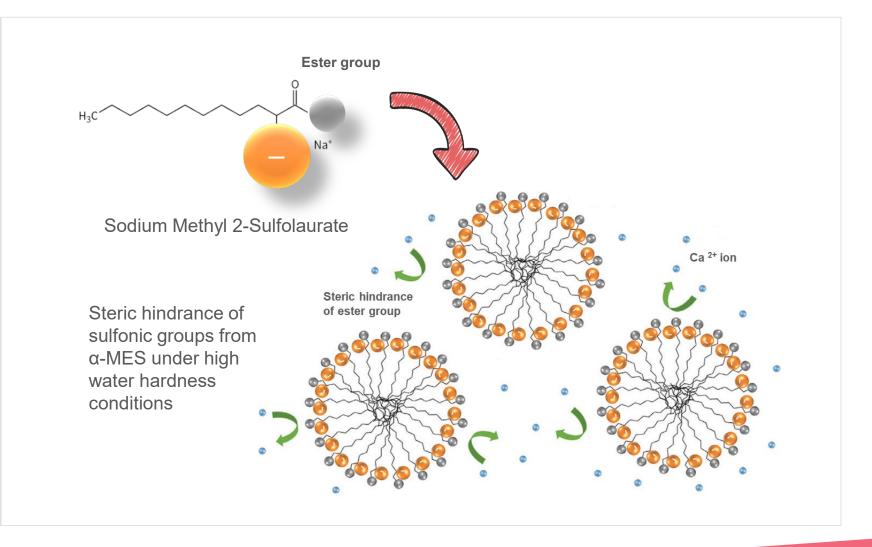
Light, fluffy and flash foam Rinses cleanly and easily



94% Bio-based Readily biodegradable



Excellent hard water tolerance CleanGredients® listed

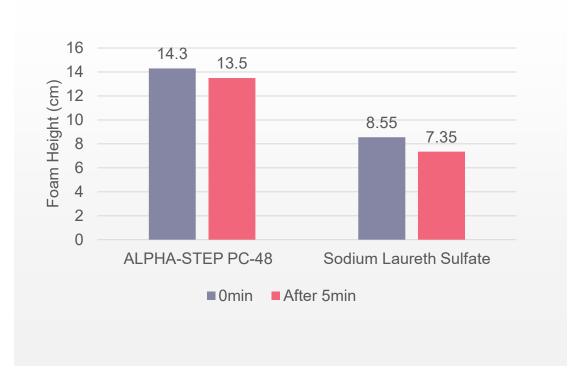


### Hard water tolerance made easy for formulation flexibility



#### Foam Volume & Longevity

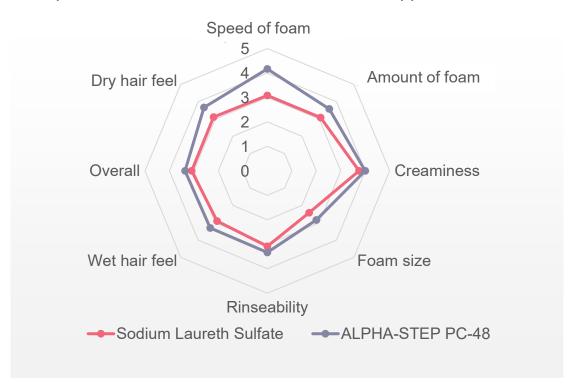
ALPHA-STEP PC-48 demonstrates significantly higher foaming compared to Sodium Laureth Sulfate in 3,000 ppm hard water.



#### Feel & Foam Appearance



ALPHA-STEP PC-48 improves overall feel and speed of foam compared to Sodium Laureth Sulfate in 1,000 ppm hard water.



Ross-Miles Foam Tester with 0.2% active solution at 25°C was used for the foam test. Sensory evaluation was conducted with 10 panelists on hair tresses washed using 0.5mL of sample. Shampoo formulas: 10% active anionic surfactant, 5% active cocamidopropyl betaine.

## Pop-Up

## Video #1

## Stepan 5. Personal Care

Experience light, fluffy, and lots of flash foam with Stepan's **ALPHA-STEP® PC-48** 

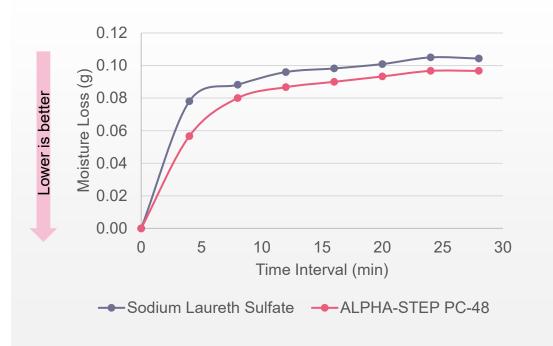


## Check off hydration and anti-static hair claims



#### **Moisture Retention**

ALPHA-STEP PC-48 demonstrates significantly less moisture loss compared to Sodium Laureth Sulfate, making it an ideal choice for formulators seeking superior hydration benefits.



#### **Static Reduction**

ALPHA-STEP PC-48 exhibits lower hair static compared to Sodium Laureth Sulfate, perfect for shampoo formulators making anti-static claims.





Hair tresses washed under 1,000 ppm hard water for 10 cycles (1 cycle: wetting-shampooing-rinsing-drying). Treated hair tresses dried overnight at 25 °C . Initial weight of tress was recorded and compared to the final weight after specific time in 45 °C oven. Shampoo formulas:10% active surfactant, 5% active Cocamidopropyl Betaine, 1% conditioning agent.

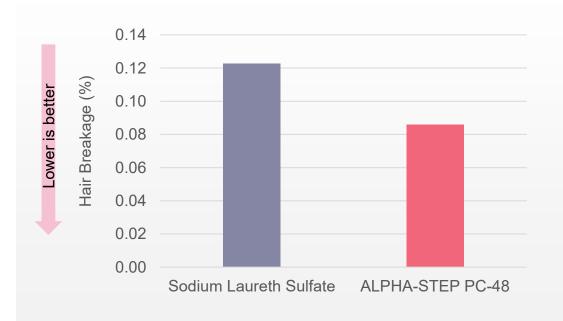


### Damaged hair care routines are worry-free



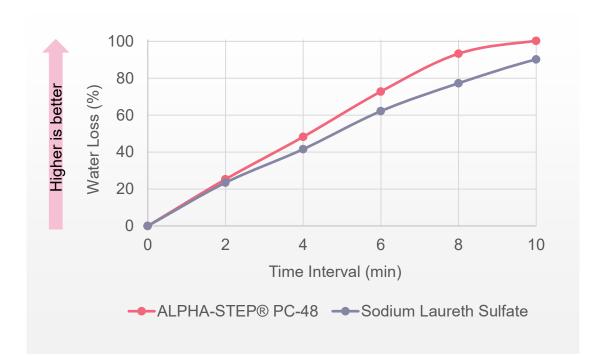
#### Hair Breakage by Flat Ironing

ALPHA-STEP PC-48 results in lesser hair breakage compared to Sodium Laureth Sulfate, making it a gentler alternative for shampoo formulations.



#### **Hydrophobicity by Blow Drying**

ALPHA-STEP PC-48 exhibits a faster drying rate compared to Sodium Laureth Sulfate, enhancing the overall efficiency of hair care routines.



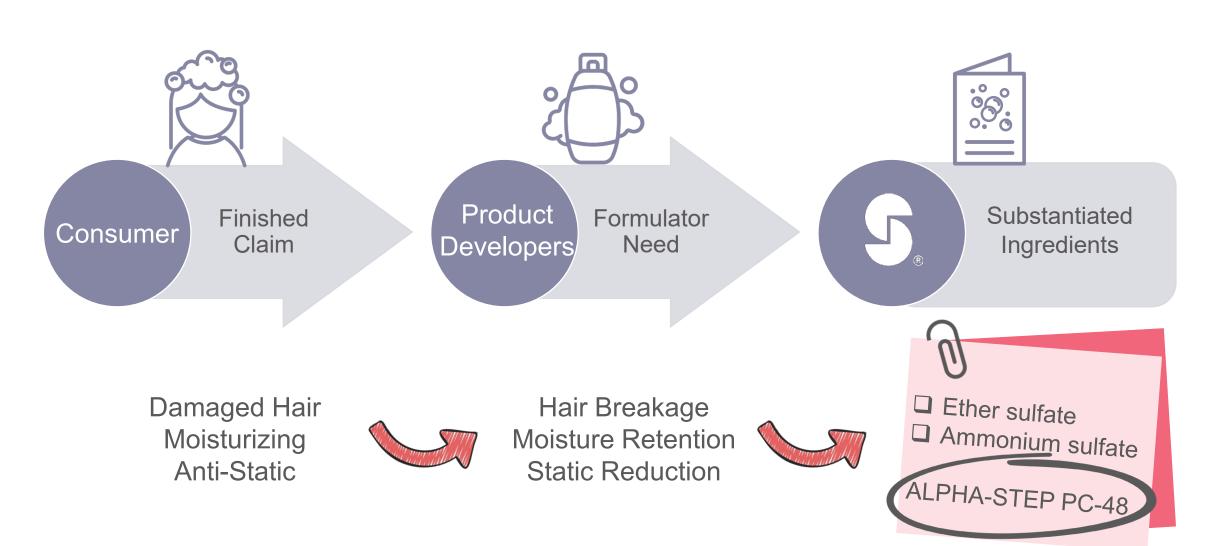
Hair tresses washed under 1,000 ppm hard water for 10 cycles (1 cycle: wetting-shampooing-rinsing-drying). Treated hair tresses were dried overnight at 25 °C. Hair breakage: Treated hair tresses flat ironed at 230°C for 20 times and vigorously combed for 50 times.

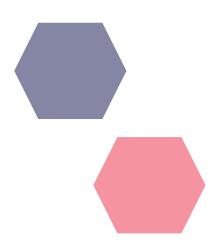
Hydrophobicity: Wet hair tress positioned 15 cm away from hair dryer, weight measured at 2-minute interval upon drying.

Shampoo formulas:10% active surfactant, 5% active Cocamidopropyl Betaine, 1% conditioning agent.



## Formulating for top shampoo claims

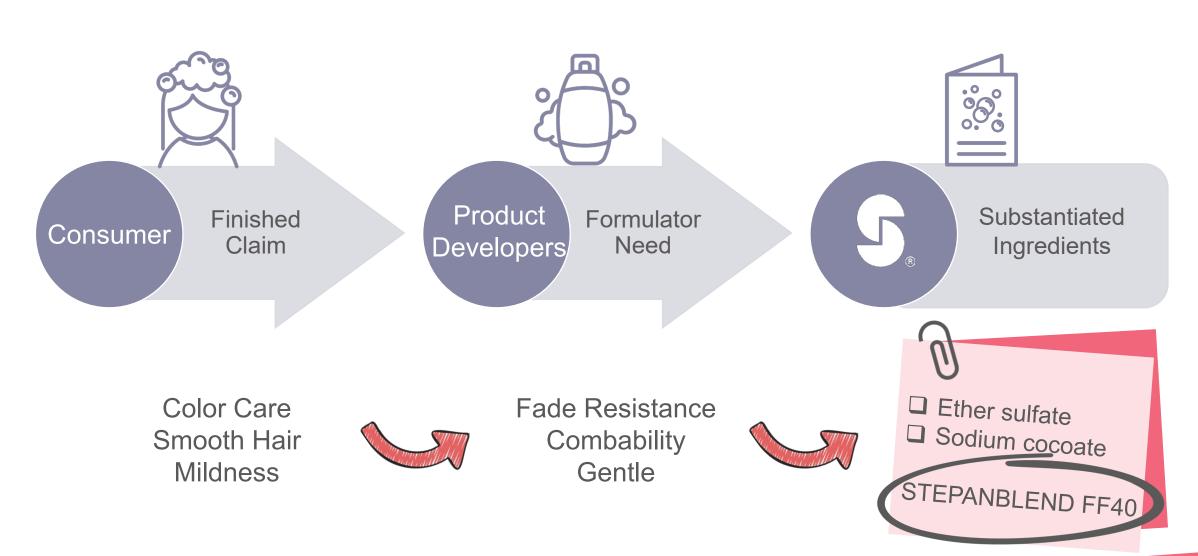




## Formulating for Color Care, Combability & Mildness



## Formulating for top shampoo claims



#### **INCI Name**

Sodium C14-16 Olefin Sulfonate (and) Cocamide MIPA (and) Cocamidopropyl Betaine

#### **Appearance**

Hazy, light-yellow liquid

#### **Actives**

40%



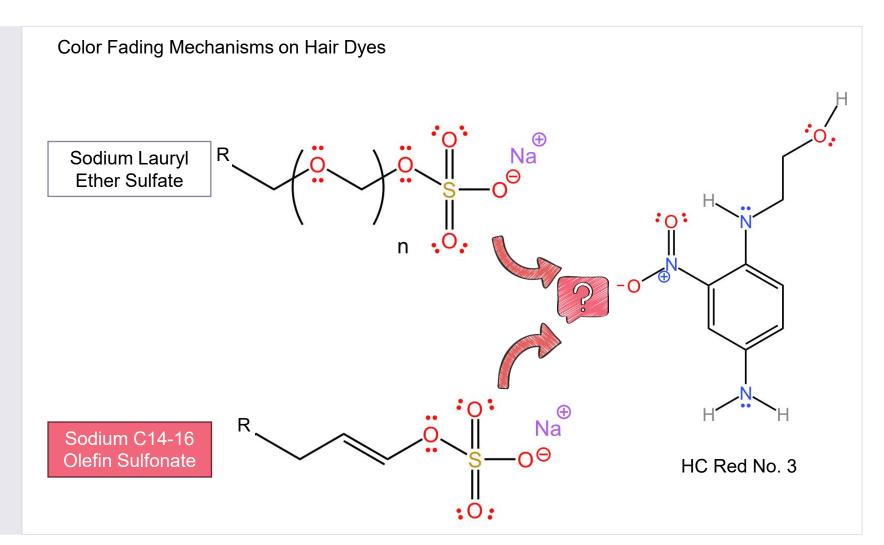
Exceptionally mild

Gentle on color-treated hair



Readily biodegradable No animal testing





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40%

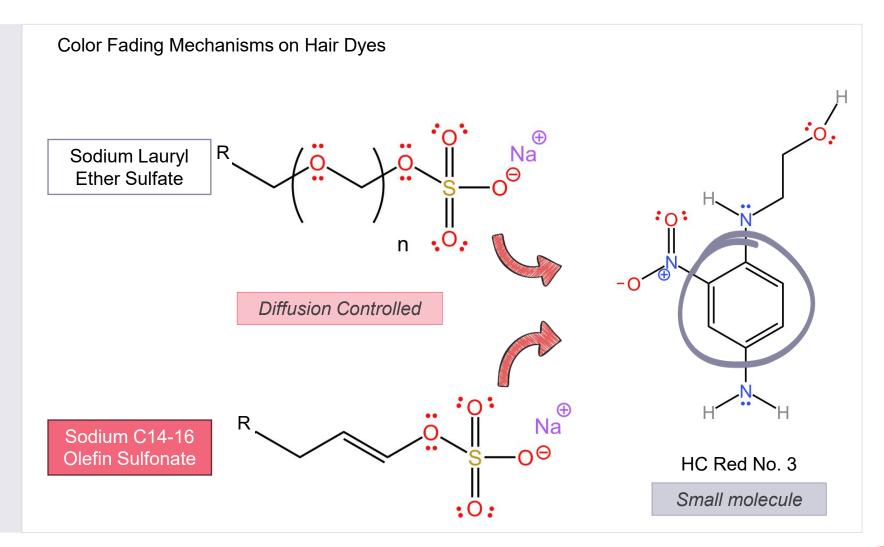


Exceptionally mild
Gentle on color-treated hair



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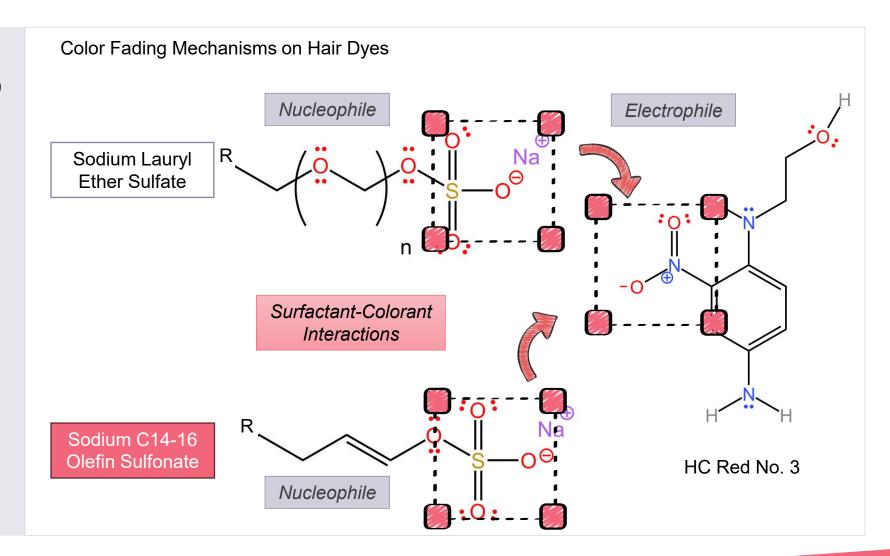
Exceptionally mild

Gentle on color-treated hair



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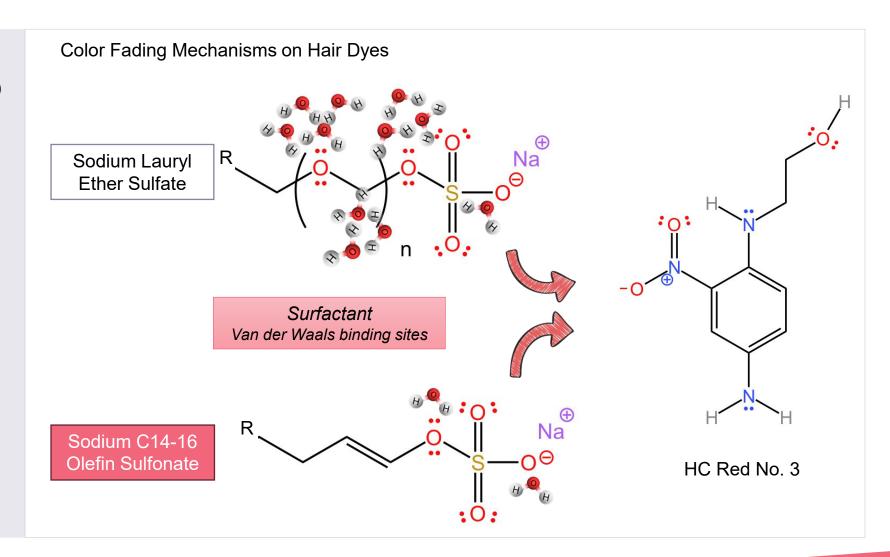
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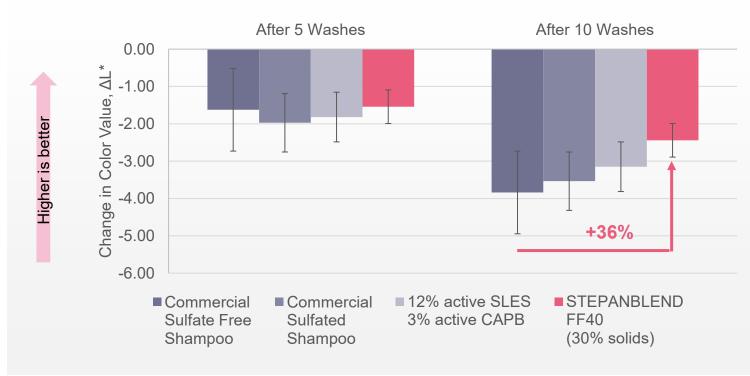


## Protect colored hair with wash longevity



#### **Fade Resistance**

STEPANBLEND FF40 delivers exceptional fade resistance, matching that of a leading commercial sulfate-free shampoo, with superior performance after multiple washes.





Hair tresses washing, Type 1C bleached with red shade, compared to untreated, 3 tresses per treatment.

Measurements made with Ultra Scan Vis Hunter Lab Colorimeter. ΔL\* value measures change in white/black color vs. initial condition (unwashed). SLES: Sodium Laureth Sulfate, CAPB: Cocamidopropyl Betaine.

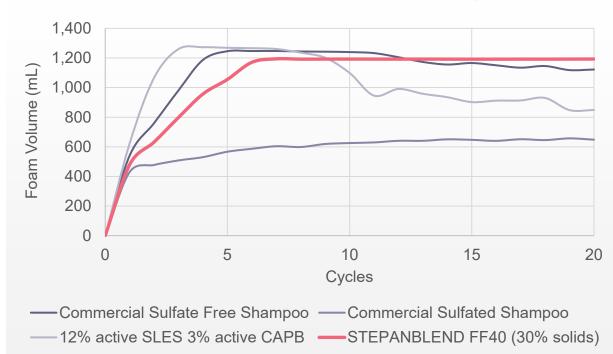
### **Ensure cleanliness and foam consistency**



#### Foam Volume & Stability

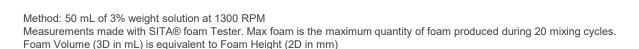
SLES: Sodium Laureth Sulfate, CAPB: Cocamidopropyl Betaine.

STEPANBLEND FF40 delivers high foam volume and stability compared to commercial sulfate-free and sulfated shampoo benchmarks, meeting consumer washing demands.





Foam Height (mm)



## Pop-Up

## Video #2



### Support gentle detangling with mild care



#### **Combability**

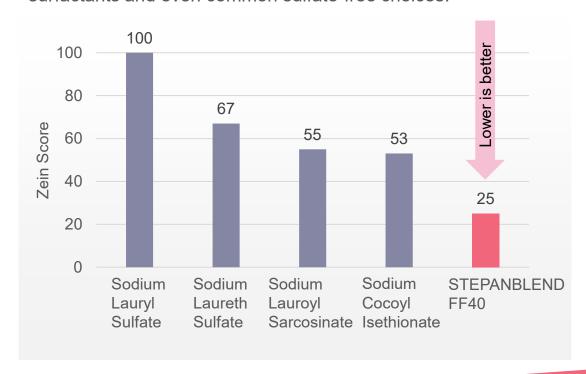
STEPANBLEND FF40 demonstrates superior wet and dry detangling with improved wet combability compared to SLES:CAPB for better manageability.



#### **Mildness**



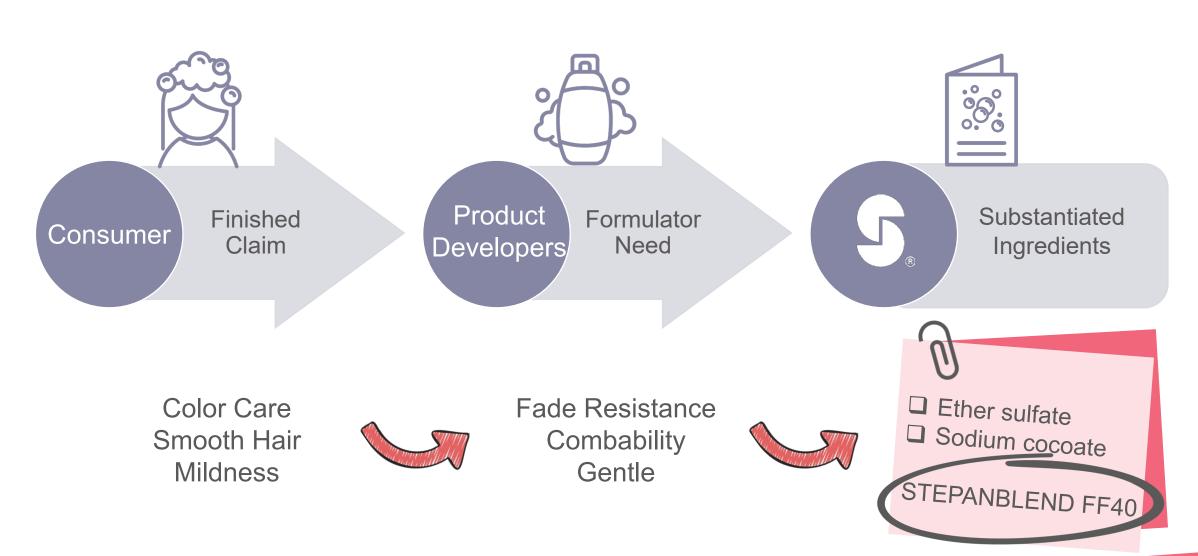
STEPANBLEND FF40 offers exceptional mildness for shampoos having a significantly lower Zein Score than traditional sulfate surfactants and even common sulfate-free choices.

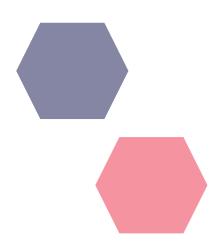


100 g of Type 2A bleached, moderately damaged hair. 0.1 g of shampoo applied per gram of hair tress weight. 1 min shampooing followed by 5 panelists evaluation of hair.

Zein score test on 1% active surfactant solution. Scores are normalized to sodium lauryl sulfate, which is given a score of 100.

## Formulating for top shampoo claims





## Wrapping up your journey to shampoo success!

# Whether you're developing novel formulations or refining your portfolio, Stepan is here to support your hair claim needs!

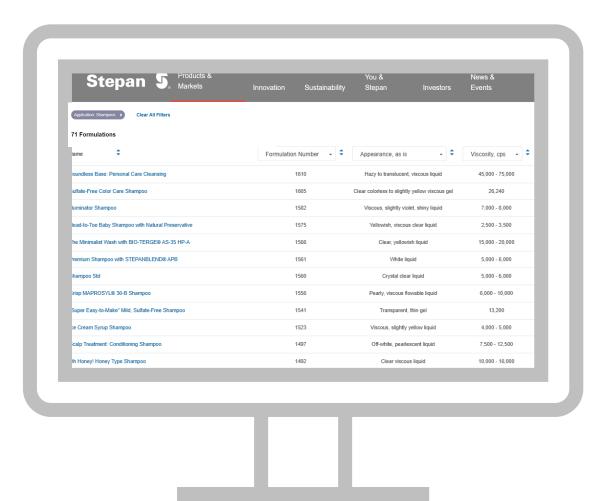




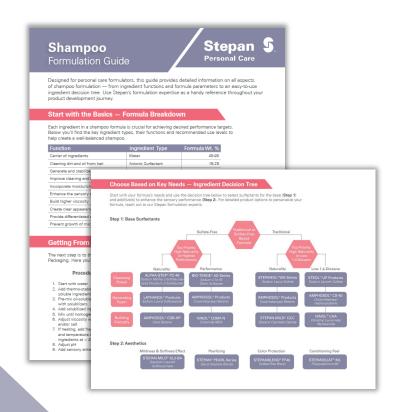
## Formulation inspiration in a bottle, no waiting required







## Resources for formulators across the development journey







"I don't know where to start..."

"I need to explore more options..."

"I know what I am looking for..."

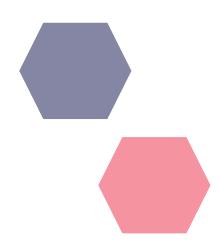


## Stepan's experts are your partners for hands-on support

Connect with a chemist from around the globe for personalized demonstrations or formulation troubleshooting!

- Reach out to your local sales representative
- Contact us through UL Prospector





## Mark Your Calendars!

Part 2: Conditioners Coming in October







## Thank you!

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