



You will be able to find the answers to your questions regarding sulfate-free systems in this issue.



## Which shampoos should preferably be sulfate-free?

Shampoos which help reduce hair loss / increase hair growth  
Baby / Children's shampoos  
Shampoos for frequent/every day use  
Shampoos for colored / dyed hair

## Use Sulfate-Free Shampoo for Holistic Hair Care

Sulfate-free shampoos are becoming more popular recently because the traditional sulfate-shampoos are highly associated with skin, hair and scalp irritation, loss of hair and less shine.

- Many consumers who started using sulfate-free systems report that their scalp are more moist and less irritated, their hair is shinier, their split ends are significantly reduced and their hair gets much less oily.
- Sulfate-free shampoos contain less salt compared to traditional shampoos and that is one of the reasons why they are accepted as a more delicate and healthy solution especially for long term use.
- Sulfate-free, mild yet effective shampoos are recommended for the customers who want extra care for their hair that is exposed to difficult environmental conditions every day. Special formulations are designed for the consumers who mind for their *holistic hair care*.



Are you interested in seeing our formulations specially designed for you? Alcoral's sulfate and salt free formulations can also be used for the surfactant systems like shower gels and facial washes.

Please contact us for all questions.



### How to formulate Sulfate-free Shampoos?

- ✓ A basic sulfate-free shampoo base can be prepared by combining two sulfate-free surfactants.
- ✓ Appropriate thickeners and/or another sulfate-free surfactant can be used to thicken this shampoo base.
- ✓ Polyquaterniums, guar derivatives, silicones or special cationic polymers can be used for conditioning. The selected conditioner should be compatible with the surfactant base.
- ✓ For best results on hair, the formulation should be enriched with extracts, oils and/or active ingredients.
- ✓ Since the sulfate-free systems contain more natural identical ingredients, their preservation systems should be handled with care.

### Which surfactants are used in Sulfate-free Shampoos?

The most commonly used surfactants in sulfate-free shampoos are:

Sodium Cocoamphoacetate  
Disodium Laureth Sulfosuccinate  
Alkyl polyglucosides  
Sodium Lauroyl Sarcosinate  
Sodium Lauroyl Methyl Isethionate  
Cocamidopropyl Betaine

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Hope to meet you again in our next issue.

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