

A close-up photograph of a smiling woman with voluminous, curly brown hair. She is wearing a light blue tank top. She is applying a white cream to her right cheek with her index finger. In her left hand, she holds a small, clear jar of the same cream. The background is softly blurred with bokeh light effects.

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*Designed with
the thought
about you*

EXOsoft L3/40

DISODIUM LAURETH SULFOSUCCINATE

Description

- good cleaning properties
- anionic surfactant with a mild skin effect
- reduces irritant effects in SLES formulations
- foam enhancer and stabilizer in personal hygiene products
- shows a hydrotropic effect

Application

- mild shampoos
- shower gels
- bath gels
- liquid soaps
- face wash products
- body and face scrubs
- hair sprays
- conditioners and hair straightening products
- anti-acne and anti-ageing preparations
- make-up products
- dishwashing liquids
- laundry detergents



in line with
cosmetic trends



guarantee the
consumer satisfaction



improvement of Personal
Care formulations



innovative
product



value
for money

EXOsoft L3/40

DISODIUM LAURETH SULFOSUCCINATE

Chemical name	Alcohols, C10-16, ethoxylated (3), sulfosuccinates, disodium salts	
INCI name	Disodium Laureth Sulfosuccinate	
CAS number	68815-56-5	
Function	Base surfactant, foaming agent, cleansing agent	
Technical requirements	Appearance at temperature (20÷25)°C	pale yellow or yellow liquid
	pH of 1% solution	5.5 - 8.5
	Dry mass, % (m/m)	min. 38
General data	Solubility in water	unlimited
	Other solvents	ethanol, isopropyl alcohol
	Density at 20°C, g/mL	approx 1.1
	Molecular weight, g/mol	545
	Viscosity at 25°C, cP	approx. 100
	Solidification temperature, °C	approx. -8
	Preservative	max. 15 ppm CIT/MIT

Classic shampoo

Phase	INCI name	Brand name	Concentration [%]	Function
A	Aqua		37.95	solvent
	PEG-7 Glyceryl Cocoate	ROKAcet KO300G	2.00	re-oiling agent
	Polyquaternium 7		2.50	conditioning agent
	Disodium Laureth Sulfosuccinate	EXOsoft L3/40	4.00	secondary surfactant
	Sodium Laureth Sulfate	SULFOROKAnol L227/1	30.00	primary surfactant
	Sodium Lauroyl Sarcosinate	ROKAtend LS	15.00	primary surfactant
B	Citric Acid		0.05	pH modifier
C	PEG-120 Methyl Glucose Dioleate		1.00	thickening agent
D	Parfum		0.50	fragrance
	Ethylhexyl glycerine, Phenoxyethanol		1.00	preservative
	Cocamidopropyl Betaine	ROKAmina K30	4.50	secondary surfactant
E	Sodium Chloride		1.50	viscosity modifier

APPEARANCE	visual method	turbid gel
pH		5.0 - 7.0
VISCOSITY [cP]	Brookfield LV, spindle: 34, speed: 2,5 RPM, T:25°C	1500 - 5000
STABILITY	1 month in 5°C, 20°C, 40°C,	conforms



1. Add ingredients from phase A to the hot water (70-75°C). While mixing add ingredients one after another in the order from the table above. Mix until uniform.
2. Cool the batch down to at least 50°C.
3. Control pH range. If necessary, adjust pH by citric acid to 5.0 – 7.0.
4. Add PEG-120 Methyl Glucose Dioleate during mixing. Mix until uniform. Cool the batch down to at least 35°C.
5. Add fragrance, preservative and cocamidopropylbetaine during mixing. Mix until uniform.
6. If necessary, add Sodium Chloride to adjust the viscosity. (NOTE. Add salt (not in one go) – after addition of each portion mix well).

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