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**EXOsoft L3/40**

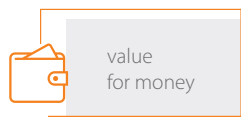
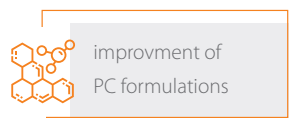
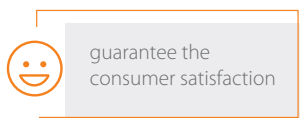
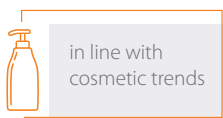
DISODIUM LAURETH SULFOSUCCINATE

## 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.



## EXOsoft L3/40

### DISODIUM LAURETH SULFOSUCCINATE

<b>Chemical name</b>	Alcohols, C10-16, ethoxylated (3), sulfosuccinates, disodium salts	
<b>INCI name</b>	Disodium Laureth Sulfosuccinate	
<b>CAS number</b>	68815-56-5	
<b>Function</b>	Base surfactant, foaming agent, cleansing agent	
<b>Technical requirements</b>	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
<b>General data</b>	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
<b>A</b>	Aqua		37.95	solvent
	<b>PEG-7 Glyceryl Cocoate</b>	<b>ROKAcet KO300G</b>	<b>2.00</b>	<b>re-oiling agent</b>
	Polyquaternium 7		2.50	conditioning agent
	<b>Sodium Laureth Sulfosuccinate</b>	<b>EXOsoft L3/40</b>	<b>4.00</b>	<b>secondary surfactant</b>
	<b>Sodium Laureth Sulfate</b>	<b>SULFOROKAnol L227/1</b>	<b>30.00</b>	<b>primary surfactant</b>
	<b>Sodium Lauroyl Sarcosinate</b>	<b>ROKAtend LS</b>	<b>15.00</b>	<b>primary surfactant</b>
<b>B</b>	Citric Acid		0.05	pH modifier
<b>C</b>	PEG-120 Methyl Glucose Dioleate		1.00	thickening agent
<b>D</b>	Parfum		0.50	fragrance
	Ethylhexyl glycerine, Phenoxyethanol		1.00	preservative
	<b>Cocamidopropylbetaine</b>	<b>ROKAmına K30</b>	<b>4.50</b>	<b>secondary surfactant</b>
<b>E</b>	Sodium Chloride		1.50	viscosity modifier

<b>APPEARANCE</b>	visual method	turbid gel
<b>pH</b>		5.0 - 7.0
<b>VISCOSITY [cP]</b>	Brookfield LV, spindle: 34, speed: 2,5 RPM, T:25°C	1500 - 5000
<b>STABILITY</b>	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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