



EXOsoft L3/40

Disodium Laureth
Sulfosuccinate

Local. Global. Integrated.

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	5.0 - 6.5
	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	approx. 0.3% of Sodium Benzoate

Classic shampoo (SZ-01)

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

Procedure:

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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The information in the catalogue is believed to be accurate and compiled to the best of our knowledge; however, it should be considered as introductory only. Detailed information about our products is available in TDS and MSDS.

The suggestions for product applications are based on our best knowledge.

The responsibility for the use of products in conformity or otherwise with the suggested application, and for determining product suitability for the user's own purposes rests with the user.

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