

A close-up photograph of a woman's face, her eyes closed, with a thick, white, foamy substance applied to her skin. She is gently touching her face with her hand. Water droplets are visible in the air around her face, suggesting a fresh, clean feel. The background is a soft, neutral tone.

# EXOmer L64

## Poloxamer 184

Local. Global. Integrated.

## Description

- non-irritant effect to the skin and eyes
- non classified product
- emulsifying agent
- cleaning agent
- solubilizing agent

## Application

- shampoos, conditioners, hair dyes
- shower gels, liquid soaps
- washing and care cosmetics for children
- antiperspirants
- wet wipes
- face washing, make-up removal preparations
- face gels, tonics

**in line with cosmetic trends**



**guarantee the consumer satisfaction**



**improvement of Personal Care formulations**



**innovative product**



**value for money**



## EXOmer L64 Poloxamer 184

Chemical name	Ethylene oxide and propylene oxide block copolymer	
INCI name	Poloxamer 184	
CAS number	9003-11-6	
Function	Emulsifying, cleaning, solubilizing agent	
Technical requirements	Appearance at temperature (20÷25)°C	liquid
	Color (Hazen units) at 50°C	max. 50
	Cloud point (aqueous solution)	59 ÷ 61
	Hydroxyl value, mg KOH/g	35 ÷ 43
General data	pH of 5% solution	5.5 ÷ 8.0
	Conductivity of 10% solution at 25°C, μS/cm	max. 10
	Water, % (m/m)	max. 0.3
	Molecular weight, g/mol	approx. 2900
	Solubility in water	good
	Other solvents	low aliphatic alcohols
	Density at 25°C, g/mL	approx. 1.04
	Viscosity at 25°C, cP	approx. 300
	Solidification point, °C	approx. 13

## Mild face wash gel [KD-68]

Phase	INCI name	Brand name	Concentration [%]	Function
<b>A</b>	Aqua		up to 100	solvent
	Acrylates/C10-30 Alkyl Acrylate Crosspolymer		0.80	rheology modifier
<b>B</b>	Sodium Hydroxide		0.40	pH adjuster
<b>C</b>	<b>Poloxamer 184</b>	<b>EXOmer L64</b>	<b>4.00</b>	<b>surfactant</b>
	Betaine		1.00	active
	Glycerin		3.00	solvent
	Parfum		0.25	fragrance
	Phenoxyethanol, Ethylhexylglycerin		0.80	preservative
	CI 42090		q.s	colorant
	<b>Cocamidopropyl Betaine</b>	<b>ROKAmina K30</b>	<b>3.00</b>	<b>surfactant</b>
	<b>Appearance</b>	visual method		blue, viscous gel
	<b>pH</b>			5.0 – 7.0
	<b>Stability</b>	1 month in 5°C, 20°C, 40°C		confirmed

### Procedure:

1. In a main vessel combine ingredients from phase A - mix until uniform. Homogenize 1500-2000 RPM, 90 -120 sec.
2. Add Sodium Hydroxide - mix until uniform. Prepare the remaining ingredients in a separate beakers.
3. Add remaining ingredients while mixing. Mix until uniform. If necessary homogenize 2500-3000 RPM, 90 -120 sec.

## Make-up removing liquid [KD-75]

Phase	INCI name	Brand name	Concentration [%]	Function
A	Pentylene Glycol		3.00	solvent
	Allantoin		0.10	active
	Sodium Lauroyl Sarcosinate	ROKAtend LS	2.00	surfactant
	Poloxamer 184	EXOmer L64	1.00	surfactant
	Phenoxyethanol		0.50	preservative
	PEG-40 Hydrogenated Castor Oil	ROKAcet HR40W	0.10	surfactant
	Parfum		0.10	fragrance
	Lactic Acid		0.05	pH adjuster
	Aqua		90.60	solvent
	Pentylene Glycol		3.00	solvent
B	Glycerin		2.50	solvent
	Xanthan Gum		0.05	rheology modifier

<b>Appearance</b>	visual method	transparent liquid
<b>pH</b>		5.5 – 7.0
<b>Stability</b>	1 month in 5°C, 20°C, 40°C	confirmed

### Procedure:

1. In main vessel combine ingredients from phase A - mix until uniform.
2. In separate vessel combine ingredients from phase B - mix until uniform. Add to phase A.
3. Mix until uniform.









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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.

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