

Hair Conditioner Featuring:
 Silsoft* CLX-E conditioning agent

HAIR CARE



Silsoft CLX-E conditioning agent contributes multiple benefits to conditioner formulations like the one below. In addition to overall repair and softness, Silsoft CLX-E conditioning agent helps provide thermal protection and straightening benefits that can last through several washes.

Phase	Ingredients	INCI Name	Wt (%)
A	Water	Aqua	up to 100
	CELLOSIZET ¹ QP 100MH hydroxyethyl cellulose ²	Hydroxyethylcellulose	0.25
B	Glycerin	Glycerin	2.50
	Varisoft ¹ BT-85 Pellets ³	Behentrimonium Chloride	0.80
	Disodium EDTA	Disodium EDTA	0.05
C	Vegarol ¹ 1618 TA ⁴	Cetearyl Alcohol	5.50
	Element 14* PDMS 10 fluid¹	Dimethicone	4.00
	TEGO ¹ Amid S 18 ³	Stearamidopropyl Dimethylamine	1.00
D	Lactic Acid	Lactic Acid	0.27
	Silsoft CLX-E conditioning agent¹	Dipropylene Glycol (and) Polysilicone-29	2.00

Procedure:

1. Weigh phase A ingredients and homogenize with high shear.
2. Add phase B to phase A and heat to 85°C.
3. Weigh phase C ingredients in another vessel and heat the mixture at 85°C.
4. Add phase C to phase A+B under agitation.
5. Let cool to 40°C and add phase D ingredients.
6. Add fragrance and preservative as desired.

Typical Physical Properties:

Appearance:	White cream
pH:	5.1
Viscosity:	48,000 cPs
Stability:	4 weeks / 50°C

Typical properties are average test data, may vary and are not to be used as or to develop specifications.

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Suppliers:

1. Momentive Performance Materials
2. The Dow Chemical Company
3. Evonik Nutrition & Care GmbH
4. VVF LLC

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