

Protect & Soothe Daily Hand Lotion

CLEAN

- Everyday care for hands, ideal for use after hand washing
- All-natural emollient lipids replenish stripped skin
- Initial light and bouncy feeling, surprisingly long lasting



Ingredient Trade Name	INCI Name	%
Phase A		
Deionized Water	Aqua	78.0
Glycerin	Glycerin	4.0
Pemulen TR-2 ²	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	0.1
NaOH 10%	Sodium Hydroxide	0.4*
Phase B		
Kostol NatureMuls ¹	Candelilla/Jojoba/Rice Bran Polyglyceryl-3 Esters, Glyceryl Stearate, Cetearyl Alcohol, Sodium Stearoyl Lactylate	5.0
Cetyl Alcohol ¹	Cetyl Alcohol	3.0
Kester Wax K-24 ¹	Lauryl Laurate	5.0
Jeechem CTG ³	Caprylyc/Capric Triglyceride	3.0
Phase C		
Optiphen ⁴	Phenoxyethanol, Caprylyl Glycol	1.0
Prebiulin AGA ⁵	Inulin	0.5

Product	Function	About	% Usage	Natural
Kostol NatureMuls	O/W Emulsifier	Natural, PEG-Free emulsifier. Can be used as a primary or secondary emulsifier. Used to add rich textures, playtime and can make bouncy textures.	2.5-8%	X
Kester Wax K-24	Ester, Emollient	Natural ester and emollient that imparts slip, melts at body temp, offers slight cooling sensation. Provides light, dry, feel. Cuts greasiness with natural oils, esters and organic sunscreens.	1-50%	x

PROCEDURE

- Combine Phase A ingredients and heat to 80 – 85 °C with mixing.
- Combine Phase B ingredients and heat to 80 – 85 °C with mixing.
- Once both Phases are at temperature, add Phase B to Phase A and increase mixing speed.
- When emulsion is smooth, *check pH and adjust if necessary.
- Add Phase C at 55 °C or under.
- Cool to 45 °C or under with mixing and pour into containers.

Looking for additional formulas? Try our Formula Selector Tool at: <https://www.kosterkeunen.com/pcformulationguide/>

Stability information: Three months at room temperature, three months at 45 °C, three freeze/thaw cycles.

Supplier information: 1. Koster Keunen, Inc.; 2. Lubrizol; 3. Jeen International; 4. Brenntag specialties; 5. Gobiotics



Koster Keunen Inc.

Watertown, CT 06795, USA

Tel: 1-860-945-3333 • info@kosterkeunen.com • www.kosterkeunen.com