

# Let's Hydrate! Natural Lotion Stick

Formula # 11/22-258/358-6

## Features

- High amount of water in a hard stick
- Structured water-in-oil emulsion
- Chassis allows for inclusion of actives

Skin Care

Emulsion

Natural / Clean

Vegan

## Formula

### Sunflower Wax

Natural wax extracted from sunflower seeds. Very high melting point and excellent structuring capabilities, increases stick structure and stability. Structurant. Usage level 1-15%.

### Kester Wax K-24

Naturally derived wax ester of plant origin. Low melt point semi-solid, melts on body contact, provides cooling sensation. Adds slip, reduces greasy feel, dimethicone alternative. Usage level up to 50%.

Trade Name	INCI Name	%
<i>Phase A</i>		
Sunflower Wax <sup>1</sup>	Helianthus Annuus (Sunflower) Seed Wax	17.0
Kester Wax K-24 <sup>1</sup>	Lauryl Laurate	12.5
Cetiol CC <sup>2</sup>	Dicaprylyl Carbonate	12.5
Isolan GPS <sup>3</sup>	Polyglyceryl-4 Diisostearate/Polyhydroxystearate/Sebacate	3.0
Zinc Stearate <sup>4</sup>	Zinc Stearate	0.5
<i>Phase B</i>		
Deionized Water	Aqua	47.5
Niacinamide PC <sup>5</sup>	Niacinamide	2.0
Optiphen <sup>4</sup>	Phenoxyethanol, Caprylyl Glycol	1.0
Glycerin	Glycerin	3.0
Magnesium Sulfate	Magnesium Sulfate	1.0

## Additional Notes

Package must be airtight.

## Procedure

- Combine Phase A ingredients and heat to 85 °C.
- Combine Phase B ingredients and heat to 85 °C.
- Once both Phases are at temperature, add Phase B to Phase A and increase mixing speed.
- When emulsion is smooth, pour at 85 °C into appropriate containers. Keep mixer on during filling.

### Stability Information:

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

### Supplier Information:

1. Koster Keunen, Inc.; 2. BASF; 3. Evonik; 4. Brenntag Specialties; 5. DSM.

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