



**VERDANT**  
A SAMYANG COMPANY

**SULFATE-FREE PEARL**  
with **MACKPEARL® SFP**

For Personal Care Formulations

**COLD - MIX LIQUID PEARLS**

**MACKPEARL® SFP-104** and **MACKPEARL® SFP-106** are liquid pearlizing agents designed for easy dispersion at ambient temperatures. Both products should be added slowly to a batch with moderate agitation to achieve attractive pearlescence and stability, with usage levels varying from 3 to 12% depending on the desired pearl effect.

**BENEFITS**

**FOR FORMULATORS:**

- Cold Blending
- Time & Energy Savings
- Easy Dispersibility

**FOR CONSUMERS:**

- Sulfate-Free
- Amide-Free
- Luxury Appearance

**TYPICAL PROPERTIES**

MACKPEARL®	SFP - 104	SFP - 106
<b>Appearance at 25°C:</b>	Pearlised Viscous Liquid	Pearlised Viscous Liquid
<b>Solids, %:</b>	42.0 - 46.0	47.0 - 50.0
<b>pH at 20°C:</b> (10% aq.)	6.0 - 8.0	6.0 - 8.0
<b>INCI:</b>	<b>Glycol Stearate, CAPB &amp; AOS</b>	<b>Glycol Distearate, CAPB &amp; AOS</b>



**PEARLED HAND SOAP FORMULATION**

Ingredients	Function	% w/w	Process
Water	Carrier	q.s. to 100	Charge water, and then add <b>MACKAM® 50ULB</b> with mixing
C14 - 16 Olefin Sulfonate	Primary Foamer	25	
<b>MACKAM® 50ULB</b>	<b>Secondary Surfactant</b>	<b>8 - 11</b>	Add AOS with mixing until homogeneous
<b>MACKPEARL® SFP-104 / SFP-106</b>	<b>Pearlizing Agent</b>	<b>3 - 5</b>	Slowly add <b>MACKPEARL® SFP</b> product
Citric Acid, dilute	pH adjuster	As needed	Adjust pH as needed.
Preservative	Preservative	As needed	
Dye & Fragrance	Aesthetics	As desired	Add dye, fragrance & preservative
Sodium Chloride	Viscosity Modifier	As needed	Adjust viscosity with sodium chloride

**DISCLAIMER**

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info@verdantspecialty.com  
www.verdantspecialty.com