

Market-Inspired Formulation

Polyaldo® HGDS KFG (6-2-S) + Polyaldo® 10-2-P Pastillated Emulsion Base

Formulation # CB-17

Ingredient	INCI Nomenclature	Supplier	%
Phase A			
Polyaldo® 10-2-P Pastillated	Polyglyceryl-10 Dipalmitate	Lonza Consumer Care	0.50
Polyaldo® HGDS KFG (6-2-S)	Polyglyceryl-6 Distearate	Lonza Consumer Care	1.50
ESP Shea Oil	Butyrospermum Parkii (Shea) Oil	Earth Supplied Products, LLC	7.50
Jeechem™ CTG	Caprylic/Capric Triglyceride	Jeen International	7.50
Cyclogol™ CS5050	Cetyl Stearyl	Cedar Concepts	3.00
Phase B			
–	Water	–	q.s
–	Glycerin	–	3.00
Keltrol™ CG-SFT	Xanthan Gum	CP Kelco	0.25
Phase C			
Mikrokill™ C0S	Phenoxyethanol (and) Chlorphenesin (and) Caprylyl Glycol	Lonza Consumer Care	0.75

Specifications

pH: 4.00–6.00
Viscosity: 30,000–38,000cps
(Spindle T-D, 4 RPM at 25°C, measured after 24 hours)
40,000–48,000cps
(Spindle T-D, 4 RPM at 25°C, measured after two weeks)

Procedure

1. Combine phase A to main vessel. Begin heating the batch to 75°C. Mix until uniform.
2. In a separate vessel, add water and heat to 70–75°C; add the hot water into premixed glycerin and xanthan gum mixture with mixing. Mix until uniform to get phase B.
3. Add phase B to phase A. Mix until uniform. Then begin cooling.
4. When main vessel reaches below 30°C, add preservatives phase C to main vessel.
5. Mix for another 15 minutes. Let rest until room temperature.

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