

## Polyaldo™ 10-1-CC KFG

### Natural Surfactant with Solubilizing Properties



**INCI Name:** Polyglyceryl-10 Caprylate/Caprate

#### Typical Characteristics

- O/W emulsifier
- HLB Value = 14
- Recommended use levels: 1 – 7 %
- Suggested applications include creams, lotions and aqueous solution systems

#### Natural

- Kosher food grade (KFG)
- Manufactured from 100% plant-derived raw materials

#### Unique features

- Solubilizer
- Fragrance carrier

#### A Renewable Replacement for Polysorbates

Polyaldo™ 10-1-CC KFG is an O/W emulsifier and surfactant suited for personal care applications. Polyaldo™ 10-1-CC KFG is naturally derived from coconut and palm oils. With unique features as a solubilizer and surfactant, Polyaldo™ 10-1-CC KFG can be used as a polysorbate replacer, fragrance carrier and as a foam stabilizer in surfactant systems.

## ST-94 Hydrating Facial Mist Formulation

Ingredient	INCI Nomenclature	Supplier	%
<b>Phase A</b>			
Deionized Water	Deionized Water	–	q.s.
Versene 100	Tetrasodium EDTA	Dow Chemical	0.05
Zemea	Propanediol	DuPont, Tate & Lyle	3.00
DC-193 Fluid	PEG-12 Dimethicone	Dow Corning	0.20
ReGeniStem™ Red Rice	Ozonized <i>Oryza sativa</i> (Rice) Callus Culture	Lonza Personal Care	2.00
<b>Phase B</b>			
Polyaldo™ 10-1-CC KFG	Polyglyceryl-10 Caprylate/Caprate	Lonza Personal Care	1.00
Açai Fragrance	Fragrance	Premier	q.s.
Escalol 577	Benzophenone 4	Ashland	0.01
<b>Phase C</b>			
Mikrokill™ COS	Phenoxyethanol (and) Caprylyl Glycol (and) Chlorphenesin	Lonza Personal Care	0.75
D&C Red 33 (0.2% solution)	Red 33	–	q.s.

## Specifications

Appearance: Clear pink liquid  
 pH: 6.5 - 7.0  
 Viscosity: N/A

## Procedure

1. Premix Phase B ingredients and heat to 50°C. Set aside for later addition to batch.
2. Add ingredients of Phase A to main container in the order listed, mixing well between each addition. Heat to 65°C.
3. Add Phase B premix to Phase A, mix and begin cooling.
4. At a temperature of 40°C or below, add Phase C ingredients. Mix well.

## Directions

With eyes and mouth closed, mist directly onto face and throat.

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