

Trial Formula

Grain Processing Corporation
1600 Oregon Street, Muscatine, Iowa 52761-1494 USA
Phone: 563-264-4265 Fax: 563-264-4289

Washable Facial Masque

Personal care products, especially facial products, are trending toward mildness. This formulation is a washable facial masque that cleanses the skin while maintaining that mildness factor. Zeina[®] modified starch enhances the film-forming properties of this formula for application on the skin, while the superb solubility of Zeina[®] allows the masque to be easily washed off, leaving the skin with a smooth, silky, luxurious feeling.

BENEFITS

Zeina[®] B860 modified starch
Excellent film forming properties
Rheology modifier
Water soluble
Imparts mildness to formula

FORMULATION

Ingredients	Percent by Weight
(Phase A)	
Water	47.99
Veegum Ultra ¹	2.50
Zeina[®] B860 modified starch ²	10.00
Plantaren 2000N UP ³	5.00
Butylene Glycol	5.00
(Phase B)	
Arlacel 165 ⁴	5.00
Retinyl Palmitate	0.10
Stearic Acid	3.00
Oleic Acid	2.70
(Phase C)	
Zeosyl 200 ⁵	2.00
(Phase D)	
Kaolin	13.00
(Phase E)	
Titanium Dioxide	1.90
(Phase F)	
Fragrance	0.30
(Phase G)	
Germabel II ⁶	1.00
(Phase H)	
Melaleuca Alternifolia (Tea Tree) Leaf Oil	0.01
Bois Oil ⁷	0.50
	<hr/>
	100.00

PROCEDURE

1. Heat water to 75 C and add Veegum Ultra with rapid agitation. Add remaining **(Phase A)** ingredients with good agitation.
2. Heat Phase B to 75 C. Add **(Phase B to Phase A)** with good agitation. Transfer to a mixing unit with vacuum capabilities.
3. Add **(Phase C, Phase D, Phase E, and Phase F)** to **(Phase A and B)** mixture. Run under full vacuum until smooth and air free cool to 40 C.
4. Add **(Phase G and Phase H)** and mix until smooth.

Used in this formulation*:

¹Magnesium Aluminum Silicate--Vanderbilt

²Hydroxypropyl Starch--Grain Processing Corporation

³Decyl Glucoside--Cognis Care Chemicals

⁴Glyceryl Stearate (and) PEG-100 Stearate--Uniqema Americas

⁵Hydrated Silica--J. M. Huber

⁶Propylene Glycol (and) Diazolidinyl Urea (and) Methylparaben (and) Propylparaben--Sutton

⁷Hydrogenated Vegetable Oil--Arista

*INCI equivalents to ingredients other than Zeina[®] B860 modified corn starch were not tested in this formula. Their effectiveness would need to be determined.

PC10-050806

www.grainprocessing.com

This information is presented in good faith but it is not warranted as to accuracy of results. Also, freedom from patent infringement is not implied. This information is offered solely for your investigation, verification, and consideration.