

Formulate with Rheomer® 33T



SOLVAY

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Typical Properties

Appearance:

Clear,
Blue Color

pH: 6.5

Brookfield

Viscosity at 21°C:

[6000 – 12000] mPa.s
(RV, spindle 4, 10 rpm)

Stability: Passed 3
months at 45°C

Ingredients (INCI Name)	Function	In Active Wt %	Procedure
Rheomer®33T ⁽¹⁾ (Polyacrylate-33)	Rheological Agent	1.35	<ol style="list-style-type: none"> 1. Add Rheomer®33T to most part (~95%) of deionized water while mixing gently 2. Add Rhodapex® ES-2K and mix until uniform 3. Neutralize to pH 6.2 with sodium hydroxide solution (15%) and mix until uniform 4. Add Miranol® Ultra C-32 with lower agitation 5. Add Coco-glucoside while mixing gently 6. Add Kathon® CG 7. Add glycerin and Mackamide® LAME 8. Add progressively Mirapol® 550-E while mixing gently 9. Prepare a pre-mix of fragrance with Alkamuls® CRH/40-C (50/50 wt%) 10. Add the pre-mix to the batch while mixing gently 11. Add blue dye solution 12. Adjust pH to 6.5 with citric acid solution (15%) 13. Add sodium chloride 14. Add the remaining deionized water and mix until uniform 15. Check pH and adjust if necessary
Rhodapex® ES-2K ⁽¹⁾ (Sodium Laureth Sulfate)	Surfactant	9.38	
Sodium Hydroxide (15%)	Alkaline	q.s pH 6.2	
Miranol® Ultra C-32 ⁽¹⁾ (Sodium Cocoamphoacetate)	Surfactant	1.60	
Coco-glucoside ⁽³⁾	Surfactant	1.35	
Glycerin	Humectant	0.50	
Mackamide® LAME-100 ⁽¹⁾ (Acetamide MEA, Lactamide MEA)	Surfactant	0.50	
Mirapol® 550 E (Polyquaternium-7)	Conditioning Polymer	0.20	
Kathon® CG ⁽²⁾	Preservative	q.s	
Fragrance Vitality PS100963 ⁽⁵⁾	Fragrance	0.30	
Alkamuls® CRH/40-C ⁽¹⁾ (PEG-40 Hydrogenated Castor Oil)	Solubilizer	0.30	
Citric Acid (15%)	pH Adjuster	q.s pH 6.5	
Sodium Chloride	Viscosity Adjuster	1.00	
Unicert Blue 05601-J (0.15%) ⁽⁴⁾	Dye	q.s.	
Deionized Water		q.s 100	

Suppliers: (1) Solvay (2) Dow (3) A&E Connock (4) LCW Sensient (5) Kao



Typical Properties

Appearance:

White Pearlescent

pH: 5.0 - 5.5

Brookfield

Viscosity at 21°C:

[7000 – 14000] mPa.s
(RV, spindle 4, 10 rpm)

Stability: Passed 3
months at 45°C

Ingredients (INCI Name)	Function	In Active Wt %	Procedure
Rhodapex® ES-2K ⁽¹⁾ (Sodium Laureth Sulfate)	Surfactant	10.70	<ol style="list-style-type: none"> 1. Add Rhodapex® ES-2K to most part (~95%) of deionized water at room temperature with moderate agitation 2. Add Mirataine® BET C-30 and mix until uniform 3. Add Kathon® CG 4. Add Rheomer® 33T 5. Neutralize to pH 6.5 with sodium hydroxide solution (15%) and mix until uniform 6. Add glycerin and Mackamide® LAME 7. Add Mirasheen® STAR and mix until uniform 8. Add Flamenco® Supreme Sparkle 8500 9. Prepare a pre-mix of fragrance with Alkamuls® CRH/40-C (50/50 wt%) 10. Add the pre-mix to the batch while mixing gently 11. Adjust pH to 5.0 with citric acid solution (15%) 12. Add the remaining deionized water and mix until uniform 13. Check pH and adjust if necessary
Mirataine® BET-C30 ⁽¹⁾ (Cocamidopropylbetaine)	Surfactant	2.30	
Rheomer®33T ⁽¹⁾ (Polyacrylate-33)	Rheological Agent	2.20	
Sodium Hydroxide (15%)	Alkaline	q.s pH 6.5	
Glycerin	Humectant	0.50	
Mackamide® LAME-100 ⁽¹⁾ (Acetamide MEA, Lactamide MEA)	Surfactant	0.50	
Mirasheen® STAR NB ⁽¹⁾ (Water, Glycol Distearate, Sodium Laureth Sulfate, Myristyl Alcohol, Cocamidopropyl Betaine)	Pearlizing & Opacifying Agent	3.00 (as is)	
Flamenco® Supreme Sparkle 8500 ⁽³⁾ (Mica, Titanium Oxide)	Pearling Agent	0.20	
Kathon® CG ⁽²⁾	Preservative	q.s	
Fragrance Lavender Rain ⁽⁴⁾	Fragrance	0.20	
Alkamuls® CRH/40-C ⁽¹⁾ (PEG-40 Hydrogenated Castor Oil)	Solubilizer	0.20	
Citric Acid (15%)	pH Adjuster	q.s pH 5.0	
Deionized Water		q.s 100	

Suppliers: (1) Solvay (2) Dow (3) BASF (4) Belle-Aire Fragrances



Typical Properties

Appearance:
White Creamy

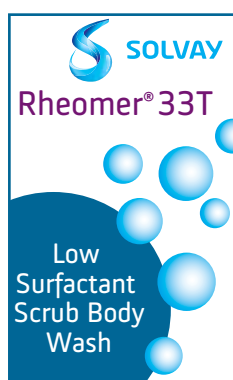
pH: 5.0 - 5.5

Brookfield Viscosity at 21°C: [7000 – 14000] mPa.s (RV, spindle 4, 10 rpm)

Stability: Passed 3 months at 45°C

Ingredients (INCI Name)	Function	In Active Wt %	Procedure
Rheomer®33T⁽¹⁾ (Polyacrylate-33)	Rheological Agent	2.50	<ol style="list-style-type: none"> 1. Add Rheomer® 33T to deionized water while mixing gently 2. Add Rhodapex® ES-2K and mix until uniform. 3. Neutralize to pH 6.5 with sodium hydroxide solution (15%) and mix until uniform 4. Prepare a pre-mix of Jaguar® C-17 with glycerin 5. Add the pre-mix to the batch and mix until uniform 6. Add Mirataine® BET C30 and mix until uniform 7. Add Soybean oil, Ionol® CP and mix until uniform 8. Add Kathon® CG 9. Adjust pH to 5.0 - 5.5 with citric acid solution (15%) 10. Add fragrance and mix until uniform
Rhodapex® ES-2K⁽¹⁾ (Sodium Laureth Sulfate)	Surfactant	11.00	
Sodium Hydroxide (15%)	Alkaline	q.s pH 6.5	
Jaguar® C-17⁽¹⁾ (Guar Hydroxypropyltrimonium Chloride)	Conditioning Agent	0.30	
Glycerin	Humectant	5.00	
Mirataine® BET-C30⁽¹⁾ (Cocamidopropylbetaine)	Surfactant	2.00	
Lipovol® SOY ⁽³⁾ (Glycine Soja (Soybean) Oil)	Vegetable Oil	10.00	
Ionol® CP ⁽⁴⁾ (BHT)	Antioxidant	0.05	
Kathon® CG ⁽²⁾	Preservative	q.s	
Citric Acid (15%)	pH Adjuster	q.s pH [5.0-5.5]	
Fragrance	Fragrance	q.s	
Deionized Water		q.s 100	

Suppliers: (1) Solvay (2) Dow (3) Lipo Chemicals (4) Degussa



Typical Properties
Appearance:
Crystal-Clear with Exfoliating Beads

pH: 6.5

Brookfield Viscosity at 21°C: [4000 – 8000] mPa.s (RV, spindle 4, 10 rpm)

Stability: Passed 3 months at 45°C

Ingredients (INCI Name)	Function	In Active Wt %	Procedure
Rheomer®33T⁽¹⁾ (Polyacrylate-33)	Rheological Agent	2.15	<ol style="list-style-type: none"> 1. Add Rheomer® 33T to most part (~95%) of deionized water while mixing gently 2. Add Rhodapex® ES-2K while mixing gently 3. Add Metapearls® 1-STD blue beads while mixing gently 4. Add Rhodapon® SB-8208S STD while mixing gently 5. Slowly add sodium hydroxide solution (15%) in order to neutralize up to pH 6.5 while mixing continuously. Mix until uniform 6. Add Mirataine® BET C-30 and mix until uniform 7. Add Kathon® CG 8. Prepare a pre-mix of fragrance with Alkamuls® T20-C (50/50 wt%) 9. Add the pre-mix to the batch, and add glycerin 10. Add the remaining deionized water and adjust pH if necessary. Mix until uniform
Rhodapex® ES-2K⁽¹⁾ (Sodium Laureth Sulfate)	Surfactant	5.00	
Rhodapon® SB-8208 S STD⁽¹⁾ (Sodium Lauryl Sulfate)	Surfactant	3.00	
Sodium Hydroxide (15%)	Alkaline	q.s pH 6.5	
Mirataine® BET-C30⁽¹⁾ (Cocamidopropylbetaine)	Surfactant	1.00	
Glycerin	Humectant	1.00	
Kathon® CG ⁽²⁾	Preservative	q.s	
Fragrance Aloe & Cucumber ⁽⁴⁾	Fragrance	0.30	
Alkamuls® T-20C⁽¹⁾ (Polysorbate-20)	Solubilizer	0.30	
Metapearls® 1-STD blue ⁽³⁾ (Polyethylene)	Exfoliating Beads	q.s	
Deionized Water		q.s 100	

Suppliers: (1) Solvay (2) Dow (3) Floratech (4) Belle-Aire Fragrances



Typical Properties
Appearance:
Clear, Green Color, With Emollient Capsules

pH: 6.5

Brookfield Viscosity at 21°C: [4000 – 9000] mPa.s (RV, spindle 4, 10 rpm)

Stability: Passed 3 months at 45°C

Ingredients (INCI Name)	Function	In Active Wt %	Procedure
Mirataine® CBS⁽¹⁾ (Cocamidopropyl Hydroxysultaine)	Surfactant	2.25	<ol style="list-style-type: none"> 1. Add Mirataine® CBS to most part (~95%) of deionized water while mixing gently 2. Add Mackanate® EL and mix until uniform 3. Add Kathon® CG 4. Add Rheomer® 33T and mix until homogeneous 5. Add Florapearls® Evergreen STD beads while mixing gently 6. Add glycerin and Mackamide® LAME 7. Neutralize slowly to pH 6.5 with sodium hydroxide solution (15%) and while mixing gently until uniform 8. Add fragrance 9. Add the solution of green dye and mix until uniform 10. Add the remaining deionized water and mix until uniform 11. Check pH and adjust if necessary
Mackanate® EL⁽¹⁾ (Disodium Laureth Sulfosuccinate)	Surfactant	8.75	
Rheomer® 33T⁽¹⁾ (Polyacrylate-33)	Rheological Agent	2.70	
Sodium Hydroxide (15%)	Alkaline	q.s pH 6.5	
Mackamide® LAME-100⁽¹⁾ (Acetamide MEA, Lactamide MEA)	Surfactant	0.50	
Glycerin	Humectant	0.50	
Kathon® CG ⁽²⁾	Preservative	q.s	
Green Dye	Dye	q.s	
Fragrance Aloe & Cucumber ⁽⁴⁾	Fragrance	0.50	
Florapearls® Jojoba Evergreen STD ⁽³⁾ (Jojoba Esters and Chromium Oxide Green))	Emollient Capsules	q.s	
Deionized Water		q.s 100	

Suppliers: (1) Solvay (2) Dow (3) Floratech (4) Belle-Aire Fragrances