

ADDITIONAL TESTING

Eye Irritation

MatTek Epi-Ocular: In vitro epidermal keratinocytes: Results indicate 'non-irritating' classification

Acute Skin Irritation

48 Hour Occlusive skin patch test: On human volunteers - 53 Test Subjects: no visible skin reaction, no potential for dermal irritation

Skin Sensitization

Repeat Insult Patch testing (HRIPT): no potential for dermal irritation or allergic contact sensitization

Biodegradability

OECD 301 (301D) Ready biodegradability test in an aerobic aqueous medium: Sample exceeds 75% biodegradability requirement in 14 days

FORMULATION

Conditioning Hair Mask

No. 1032

Deep conditioning hair mask that nourishes and soothes hair and scalp. While locking in moisture, it enhances smoothness and protects against pollution. Use for periodic deep-conditioning.

	TRADE NAME / INCI NAME	%
1	Water	qs to 100.00
2	Natrosol™ Plus 330CS / Cetyl Hydroxyethylcellulose	0.20
3	N-Hance™ 3215 / Hydroxypropyl Guar Hydroxypropyl Trimonium Chloride	0.20
4	Poly Suga® Quat S1210P / Polyquaternium-81	8.00
5	Cola® Lipid GS / Sodium Grapeseedamidopropyl PG-Dimonium Chloride Phosphate	1.00
6	Cola® Moist 200 / Hydroxypropyl Bis-Hydroxyethyl-dimonium Chloride	1.00
7	Lanette O / Cetearyl Alcohol	5.00
8	Oud Fragrance	0.20
9	Microcare® SB / Sodium Benzoate and Potassium Sorbate	0.50

PROCEDURE:

Combine ingredients 1 – 3, hydrating per manufacturer's instructions. Begin heating to 65°C. Once completely hydrated, add ingredients 4 – 6. At 65°C, add ingredient 7 and mix until completely melted. Homogenize and cool to 50 – 55°C. Add remaining ingredients and cool to room temperature.

TYPICAL PROPERTIES:

Appearance: Opaque Liquid
pH: 5.0 – 5.5
Viscosity: 150,000 cP

FORMULATION

Body Wash Crème

No. 2034

Creamy body wash formulated to moisturize, smooth, and nourish dry skin for an all-day clean. Works great as a soothing shave lotion.

	TRADE NAME / INCI NAME	%
A	Water	qs to 100.00
A	Cola® Det OE / Sodium Laureth Sulfate, Sodium Tridecyl Ether Sulfate, Sodium Lauroamphoacetate, Lauramide MIPA	20.00
A	Cola® Lipid GS / Sodium Grapeseedamidopropyl PG-Dimonium Chloride Phosphate	2.00
A	Cola® Moist 200 / Hydroxypropyl Bis-Hydroxyethyl-dimonium Chloride	1.00
B	Soybean Oil / Glycine Soja (Soybean) Oil	18.00
B	Marula Oil / Sclerocarya Birrea (Marula) Oil	2.00
B	Shea Butter / Butyrospermum Parkii (Shea Butter)	0.50
B	N-Hance™ 3215 / Hydroxypropyl Guar Hydroxypropyl Trimonium Chloride	0.50
B	Cosphaderm® X34 / Xanthan Gum	0.60
C	Vanilla Fragrance	0.20
C	Microcare® SB / Sodium Benzoate and Potassium Sorbate	1.00
C	Citric Acid	qs to pH

PROCEDURE:

Combine ingredients for Phase A and Phase B in separate vessels. Add Phase B to Phase A with high shear mixing, if possible, taking care to not introduce air. Heat to 40°C and add Phase C ingredients. Adjust pH to 5.0 – 5.5 with citric acid. Mix for 60 minutes.

TYPICAL PROPERTIES:

Appearance: Opaque Viscous Liquid
pH: 5.0 – 5.5
Viscosity: 20,000 cP

STORAGE / HANDLING

Cola® Lipid GS should be stored in closed containers. Shipped in 55 gallon poly drums (net weight 450 lb/204.1 kg). Typical shelf life is 12 months from date of manufacture. Safety Data Sheets are found at www.colonialchem.com.



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Innovative Specialty Surfactants