

# Lather on the Go

You live your life unencumbered, so why should your products weigh you down? You want your products to be simple but effective. A shampoo, conditioner, body wash, and shave gel in one means it's ready to go the extra mile, just like you.



#### DOWSIL™ 8500 Conditioning Agent

An amino glycol copolymer which provides superior hair conditioning with low yellowing, plus heat and color protection and breakage resistance.



## Jaguar® C 13 S

A high molecular weight cationic guar polymerwith excellent thickening and conditioning properties for hair and skin care products.

#### Mackam® 35 UL

A light colored grade of cocamidopropyl betaine, mild and fully biodegradable. Strong viscosity-building, foam-boosting properties over a broad pH range.

### Mackpearl® EQ 99

An amide-free, high-active liquid pearling agent designed for easy dispersion at ambient temperatures.



#### **D-Panthenol**

Long-lasting moisturizer for hair, skin and nails; nourishes and strengthens hair; prevents hair damage caused by over-drying.



### Spectrastat™ G2 Natural

A blend of multifunctional ingredients to allow for gentle, alternative preservation of formulations, especially at a neutral pH.



## Scoti-Hops (PD)

Natural extract which promotes hair growth and may improve scalp health due to its antioxidant and anti-inflammatory effects.

Univar Solutions offers this suggested formulation as a representative formulation only. See the back cover or univarsolutions.com for important cautions.

## Lather on the Go

PHASE	INGREDIENT	WT%	TRADE NAME	SUPPLIER
A	Water	54.00	Water	
	Guar Hydoxypropyltrimonium Chloride	0.20	Jaguar® C 13 S	Univar Solutions/ Solvay
В	Sodium Lauryl Ether Sulfate	12.00	Rhodapex® ESB 70 NAT	Univar Solutions/ Solvay
	Sodium Lauryl Sulfate	18.00	Rhodapon® LX-23/AF 3	Univar Solutions/ Solvay
	Cocamidopropyl Betaine	10.00	Mackam® 35UL	Univar Solutions/ Solvay
	Glycol Stearate (and) Cocamidopropyl Betaine (and) Sodium Laureth Sulfate	2.00	Mackpearl® EQ 99	Univar Solutions/ Solvay
	Bis (C13–15 Alkoxy) PG Amodimethicone	1.00	DOWSIL™ 8500 Conditioning Agent	Univar Solutions/ Dow
	Panthenol	0.50	D-Panthenol	Univar Solutions/ DSM
	Allantoin	0.10	Allantoin	Univar Solutions/ DSM
	Humulus Lupulus (Hops) Extract	1.00	Scoti-Hops (PD)	Univar Solutions/ The Art of Natural Solution
	Caprylhydroxamic Acid (and) Glyceryl Caprylate (and) Glycerin	1.00	Spectrastat™ G2-Natural	Univar Solutions/ Inolex
	Fragrance	0.20	Rocker	Orchidia
	Citric Acid	q.s.	Citric Acid	Univar Solutions/ Various
	Sodium Chloride	q.s.	Salt	Univar Solutions/ Various
	D&C Orange 4	q.s.	SunCroma® D&C Orange 4 FDA C76-A208	Univar Solutions/ SunChemical
	FD&C Red 40	q.s.	SunCroma® FD&C Red 40 FDA C37-A207	Univar Solutions/ SunChemical
	Total	100		

- 1. Mix phase A ingredients until hydrated heating to  $50 \, ^{\circ}\text{C}$
- 2. Add phase B ingredients in order and mix until homogeneous. Remove from heat
- 3. Adjust pH with citric acid
- 4. Adjust viscosity with NaCl

PROPERTIES

**Viscosity:** 10,000-15,000 cp

**pH:** 5–5.5