

## 3 in 1 SPORT SHOWER GEL <TRANSPARENT> SGT-34

A clear 3 in 1 shower gel formula with PEG-Free concept, which can wash face, hair and body simultaneously. **AMILITE™ ACS-12** provides rich foam and moisturizing feel. **AJIDEW™ ZN-100** is a multifunctional ingredient with sebum control and anti-bacterial properties.

	Trade name	INCI Name	wt %	Function
A	TEXAPON N70 *1	Sodium laureth sulfate (70%)	12.0	Cleansing surfactant
	DEHYTON K *1	Cocamidopropyl Betaine (30%)	8.0	Cleansing surfactant
	<b>AMILITE™ ACS-12</b>	<b>Sodium Cocoyl Alaninate (30%)</b>	7.0	Cleansing surfactant/ Mild surfactant
	Glycerin	Glycerin	5.0	Humectant
	PLANTACARE 1200 UP *1	Lauryl Glucoside (50%)	5.0	Co-surfactant
	DEHYQUART CC 7 BZ *1	Polyquaternium-7	0.5	Conditioning agent
	ORAMIX CG110*2	Caprylyl/capryl glucoside	2.0	Solubilizer
	Deionised Water	Water	To 100	
B	CARBOPOL AQUA SF-2 *3	Acrylates Crosspolymer-4	4.0	Rheology modifier
	Deionised Water	Water	15.0	
C	Preservative	Preservative	q.s.	Preservative
D	Citric acid (20% aq)	Citric acid (20% aq)	0.5	pH adjuster
E	<b>AJIDEW™ ZN-100</b>	<b>Zinc PCA</b>	0.2	Sebum control, Antimicrobial Agent
	Deionised Water	Water	10.0	
<b>Total</b>			<b>100.0</b>	

\*1 BASF \*2 SEPPIC \*3 LUBRIZOL

### <PROCEDURE>

1. Heat Part A ingredients to 80°C with stirring until dissolved.
2. Cool to room temperature with stirring.
3. Disperse Part B at room temperature.
4. Slowly add Part B to Part A with stirring.
5. Add part C.
6. Adjust pH to 5.5 with Part D. Stir until homogeneous.
7. Add Part E.

### <PHYSICAL PROPERTIES and STABILITY>

Appearance: Clear and viscous

pH: 5.6

Viscosity: 3,479 mPa·s ( Model:LVDV-II+Pro,30 rpm, 63 spindle, 30sec., 25 °C)

Stability: 5 °C, 25 °C, 45 °C, 50 °C, Cycle (-5↔40 °C) for 3 months

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