

Development Formulation

The Natural Way Body Lotion Spray

C2664a

This 100% natural sprayable body lotion is ideal for the eco- conscious. **NatraGem™ E145** gives fantastic emulsifier stability while **Crodamol™ SSA** provides a touch of elegance. With excellent spreading and easy absorption by the skin, a pleasant, non-greasy afterfeel and a soft, velvety emollience remains.

Ingredient/INCI Name	Functionality	% w/w
Part A		
Water Deionised (Aqua)	-	To 100
Veegum Pure (Hydrated Magnesium Aluminium Silicate Mineral) ³	Thickener	0.50
Keltrol CG-SFT (Xanthan Gum) ⁴	Thickener	0.50
Part B		
Crodamol GTCC (Caprylic/ Capric Triglyceride) ¹	Emollient	9.00
Natragem E145 (Polyglyceryl-4 Laurate/ Succinate (and) Aqua) ¹	Emulsifier	3.50
Span™ 20 (Sorbitan Laurate) ¹	Co-emulsifier	2.50
Crodamol SSA (Decyl Isostearate (and) Isostearyl Isostearate) ¹	Emollient	2.00
Isostearyl Alcohol ²	Emollient	2.00
Isostearic Acid ²	Emollient	2.00
Part C		
Euxyl K712 (Aqua (and) Sodium Benzoate (and) Potassium Sorbate) ⁵	Preservative	0.80

Suppliers: 1: Croda 2: Cargill 3: R T Vanderbilt 4: CP Kelco 5: Schülke

Procedure:

Place water in a beaker and stir to create a vortex. Add Keltrol CG-SFT and Veegum to the water under high shear and stir until homogenous. Separately combine Part B and add to Part A with fast stirring. Mix with an Ultra-Turrax homogeniser for one minute per 200g at 10,000rpm. Add the preservative and stir.

Appearance: White sprayable lotion; pH: 6.07 ± 0.5; Viscosity: 2,450cP ± 10% (Brookfield, small sample adapter, spindle 27, 10rpm, after 1min, 25°C)

Stability: 1 month at 5°C, 25°C, 40°C, 45°C, 50°C and Room Temperature

Veegum is a registered trademark of R T Vanderbilt

Keltrol is a registered trademark of CP Kelco

Euxyl is a registered trademark of Schülke

This formulation was developed in Europe. Contact your local sales representative with enquiries as ingredient availability can vary by region.

Non-warranty

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