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VANDERBILT *Report*

Moisturizing Gel for Oily Skin, Containing Tea Tree Oil No. 554

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VANZAN® NF-C Xanthan Gum, a clear solution grade, thickens this moisturizing gel. The water-soluble version of tea tree oil is convenient for use in aqueous systems. The botanical extracts provide oil control and are soothing to the skin. Hyaluronic acid moisturizes the skin.

Ingredients	% by weight
A Water	64.21
Hyaluronic Acid, 1% solution ¹ , Hyaluronic Acid (and) Water	1.00
Disodium EDTA	0.05
Actiphtye® of Horsetail BG50P ² , Butylene Glycol (and) Water (and) Equisetum Hiemale Extract	4.80
Actiphtye of Goldenseal BG50P ² , Butylene Glycol (and) Water (and) Hydrastis Canadensis (Golden Seal) Extract	4.80
B Actiphtye of Lemongrass BG50P ² , Butylene Glycol (and) Water (and) Cymbopogon Schoenanthus Extract	4.80
Actiphtye of Witch Hazel BG50P ² , Butylene Glycol (and) Water (and) Hamamelis Virginiana (Witch Hazel) Extract	4.80
Actiphtye of Hops BG50P ² , Butylene Glycol (and) Water (and) Humulus Lupulus (Hops) Extract	4.80
C Water-Soluble Tea Tree Oil ³ , Water (and) Melaleuca Oil (and) Ethoxylated Castor Oil (and) Polysorbate 20	9.70
VANZAN NF-C , Xanthan Gum	1.00
D Preservative	q.s.
E Triethanolamine	0.04

¹Lipo Chemicals, Paterson, NJ

²Active Organics, Inc., Lewisville, TX

³Southern Cross Botanicals Pty Ltd, Lennox Head, NSW 2478, Australia

Procedure:

Step 1. Add Part A ingredients separately and mix thoroughly.

Step 2. Pre-blend Part B ingredients, add to the batch and mix until homogeneous.

Step 3. Add Part C ingredients separately, in the order shown. Sift the **VANZAN NF-C** into an established vortex and mix until completely dissolved. The batch will thicken at this point.

Step 4. Add Part D and mix until homogeneous.

Step 5. Adjust pH to 6.5 ± 0.5 with triethanolamine.

This formula passed three (3) months of laboratory stability testing at room temperature, 5°C, 38°C and 45°C, and 3-cycle freeze/thaw.

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Actiphtye is a registered trademark of Active Organics, Inc.

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