

Exfoliating Wash For Men with Bioscrub 50PC & ECOBLUE 5025

Cleanses and purifies the skin removing impurities and reducing shine. The Biodegradable exfoliating scrub particles help unblock pores whilst being better for the environment than traditional polyethylene scrubs.

| Trade Name | INCI Name | Function | %W/W | Supplier |
|------------------------------|----------------------------------------------------------------------------------|--------------------|---------|------------------------------------------|
| 1 Purified Water | Aqua | Solvent | 60.05 | |
| 2 Versene Na2 | Disodium EDTA | Chelating Agent | 0.05 | Dow Chemical |
| 3 Blue No1 FD&C | CI 42090 | Colour Pigment | 0.00048 | |
| 4 FD&C Yellow 5 | CI 19140 | Colour Pigment | 0.00064 | |
| 5 Organic Glycerine | Glycerin | Humectant | 6 | ProTec Botanica |
| 6 RESPLANTA® OLEA | Olea Europaea PEG-8 Esters | Solubiliser | 2 | Res Pharma Srl Via ProTec Ingredia |
| 7 KELTROL® CG-SFT | Xanthan Gum | Rheology Modifier | 3.5 | Azelis |
| 8 Texapon N70 (25% solution) | Sodium Laureth Sulfate | Primary Surfactant | 20 | BASF |
| 9 BIOSCRUB 50PC | Polyhydroxybutyrate (PHB) powder | Exfoliant | 5.9 | Micro Powders Inc Via ProTec Ingredia |
| 10 ECOBLUE 5025 | Polylactic acid, Ultramarine | Exfoliant | 0.1 | Micro Powders Inc Via ProTec Ingredia |
| 11 Glydant Plus Liquid | DMDM Hydantoin (and)Iodopropynyl Butylcarbamate | Preservative | 0.4 | Lonza |
| 12 AQUACACTEEN | Opuntia Ficus-Indica Stem Extract (and) Glycerin (and) Phenoxyethanol (and) Aqua | Active Ingredient | 2 | Mibelle Biochemistry Via ProTec Ingredia |

ProTec Ingredia Ltd

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Website: www.protectingredia.com

Registered in London No. 07517784 VAT No. GB 100 2120 14

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Method of Manufacture

Into the main vessel add:

| | |
|----------------|--------------------------------------------------------------|
| Purified water | Start the mixer on a fast speed. |
| Blue No1 FD&C | |
| FD&C Yellow 5 | |
| Disodium EDTA | Mix until dissolved. Commence heating the main vessel to 80C |

Into a suitable sized premix vessel add:

Organic Glycerine

| | |
|-----------------|--------------------------------------------------------|
| RESPLANTA® OLEA | Mix until homogenous. |
| KELTROL® CG-SFT | Mix until a smooth lump free slurry\paste is achieved. |

Turn off the mixer.

If a vacuum pump is available begin pulling a vacuum.

Very slowly add the premix into the main vessel.

Switch on the homogeniser on its slowest speed.

Gently homogenise the premix into the water avoiding aeration as much as possible.

Homogenise until the bulk is lump free and homogenous.

Switch off the homogeniser.

Commence cooling the main vessel to 23C.

Into the main vessel slowly add:

| | |
|----------------------------|---------------------------------------------|
| Texapon N70 (25% solution) | Mix at a very slow speed avoiding aeration. |
| | Mix until homogenous. |

When the main vessel is 40C or below into the main vessel slowly add:

BIOSCRUB 50PC

ECOBUE 5025 Mix until homogenous.

Glydant Plus Liquid Mix until homogenous.

AQUACACTEEN Mix until homogenous.

Continue to cool to 23C then check product specifications.

Product Specifications

| | |
|------------|------------------------------------------------------------------------|
| pH | 6.00 -6.70 (If the pH is too low adjust with 50% Citric Acid solution) |
| Viscosity | 120-150,000 cps (LVT Spindle 3, Speed 10, 30 seconds) |
| Colour | Green |
| Appearance | Clear Gel with white and blue particles |

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