

## 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

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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:

<b>BIOSCRUB 50PC</b>	
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