

## Anti-Dandruff Shampoo

A two pronged attack on dandruff. **usNeo™** works on the lipase secretion microbes responsible for producing dandruff flakes. **Sebostat** is a sebum regulator giving the lipase secretion microbes less to feed on. **Olive Oil (W)** acts as fragrance solubiliser in this formulation.

	Trade Name	INCI Name	Function	%W/W	Supplier
1	Water	Aqua	Solvent	38.3	
2	Versene Na2	Disodium EDTA	Chelating Agent	0.05	Dow Chemical
3	Sebostat MPE Herbasec®	Maltodextrin, Nasturtium Officinale Flower / Leaf / Stem Extract, Equisetum Arvense Extract, Urtica Dioica Leaf Extract	Sebum Regulation Active	2	Lipoid Kosmetik Via ProTec Ingredia
4	usNeo™	Propanediol, Usnea Barbata Extract, Tromethamine, Tetrasodium Glutamate Diacetate, Aqua, Sodium Hydroxide	Antidandruff Active	2	Lipoid Kosmetik Via ProTec Ingredia
5	Salt Pure Vacuum Dried	Sodium Chloride	Thickener	2	
6	Texapon N70 (25% solution)	Sodium Laureth Sulfate	Primary Surfactant	39	BASF
7	RESASSOL® PG6 COCONUT	Coconut Oil Polyglyceryl-6 Esters	Secondary Surfactant	2	Res Pharma Via ProTec Ingredia
8	Olive Oil (W)	PEG-10 Olive Glycerides	Water Soluble Oil\ Solubiliser	2	Lipoid Kosmetik Via ProTec Ingredia
9	Perfume AR323842	Parfum	Fragrance	0.3	CPL Aromas
10	Surfac B4	Cocamidopropyl Betaine	Secondary Surfactant	12	Surfachem
11	Glydant Ltd	DMDM Hydantoin	Preservative	0.4	Lonza

ProTec Ingredia Ltd

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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.
Disodium EDTA	Mix until fully dissolved and no lumps remain.
Sebostat MPE Herbasec®	Mix until dissolved this could take up to 30 minutes.
Salt Pure Vacuum Dried	Mix until dissolved. Turn down the mixer to a slow speed.
UsNeo™	Mix until homogenous.
Texapon N70 (25% solution)	Mix until homogenous avoiding aeration.

### Into a suitable sized premix vessel add:

#### Olive Oil (W)

Perfume AR323842	Mix until homogenous.
RESASSOL® PG6 COCONUT	Mix until homogenous.

### Add the premix vessel to the main vessel, stir slowly until homogenous.

### Into the main vessel add:

Cocamidopropyl Betaine	Mix slowly until the product becomes clear and homogeneous.
Glydant Ltd	Mix until homogenous.

### Check product specifications

## Product Specifications

pH	5.00-6.00
Viscosity	4000-10,00CPS (LVT Spindle 3, Speed 10, 30 seconds)
Colour	Olive Green
Appearance	Transparent clear mobile liquid

\*Our stability testing revealed a darkening of colour over 3 months at 40C. This may be be unacceptatble for some customers

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