

### Shave Gel (surfactant type)

Formulated to be "low-foam" it enables consumers to see where they are shaving. The surfactants have been blended to give the optimum balance between foaming & mildness. **Microslip 519** (PTFE) gives enhanced razor glide The gel is thickened with **Worlée Aqua Thix 150**

Trade Name	INCI Name	Function	%W/W	Supplier
1 WATER	Aqua	Solvent	42.725	
2 FD&C Blue No1	CI 42090	Colour	q.s	
<b>3 WorléeAqua Thix 150</b>	<b>Acrylates copolymer</b>	<b>Rheology Modifier</b>	<b>10</b>	<b>Worlée Via ProTec Ingredia</b>
4 Tween 20	Polysorbate 20	Non-ionic surfactant	1	Croda
<b>5 Microslip 519</b>	<b>PTFE</b>	<b>Shaving Lubricant</b>	<b>0.5</b>	<b>Micro Powders Inc Via ProTec Ingredia</b>
6 Texapon N70 (25% solution)	Sodium Laureth Sulfate	Primary Surfactant	28	BASF
7 Plantacare® 2000 UP	Decyl Glucoside	Secondary Surfactant	10	BASF
8 Comperlan COD	Cocamide DEA	Secondary Surfactant	2	BASF
9 Tego Betain CK KB5	Cocamidopropyl Betaine	Secondary Surfactant	5	Surfachem
10 NaOH (47% Solution)	Sodium Hydroxide	Neutralizer	0.375	
11 Glydant Plus Liquid	DMDM Hydantoin (and) Iodopropynyl Butylcarbamate	Preservative	0.4	Lonza

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The information provided, to the best of our knowledge is believed to be correct however we do not guarantee its accuracy. Potential purchasers shall not only rely on information stated herein when purchasing any products and should make their own investigations to determine if such products are suitable for a particular use. It is your responsibility to thoroughly test any formulations and all warranties, indemnities or liabilities implied or expressed by law are hereby excluded by ProTec Ingredia Ltd to the fullest extent permitted by law.

## Method of Manufacture

### Into the main vessel add:

Water	Start the mixer on a slow speed.
FD&C Blue No1	
<b>WorleeAqua Thix 150</b>	Mix until homogenous.
Texapon N70 (25% solution)	Add slowly avoiding aeration. Mix until homogenous.

### Into the main vessel add

Sodium Hydroxide	Mix slowly until the product becomes clear and homogeneous.
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### Into a suitable sized premix vessel add:

#### Microslip 519

Polysorbate 20	Mix until homogenous.
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### Add the premix vessel to the main vessel, stir slowly until homogenous.

### Into the main vessel add:

Decyl Glucoside	Mix until homogenous.
Cocamide DEA	Mix until homogenous.
Cocamidopropyl Betaine	Mix until homogenous.
Glydant Plus Liquid	Mix until homogenous.

### Check product specifications

### Product Specifications

pH	6.50-7.00
Viscosity	15,000-20,000CPS (LVT Spindle 3, Speed 6, 30 seconds)
Colour	Blue
Appearance	Semi-transparent, fluid gel.

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