



# Vegetatum® SUNFLOWER 1103

*Sustainable*

*Functional*

*Cost effective*

Vegetatum® vegetable gels are proven, functional alternatives to petrolatum in a variety of personal care formulations. They consist of a proprietary vegetable gel technology using natural ingredients.

Vegetatum® Sunflower 1103 leverages cosmetically elegant EFA-rich Sunflower oil in a convenient high viscosity sustainable gel format. This product will also build viscosity in anhydrous systems and is ideally suited for natural personal care.



<b>Proposed INCI Name</b>	Helianthus Annuus (Sunflower) Seed Oil (and) Glycine Soja (Soybean) Germ Extract (and) Zea Mays (Corn) Starch (and) Silica
<b>Recommended Uses</b>	Opaque or transparent emulsion products as a petrolatum replacement Opaque or transparent products to build viscosity and improve stability
<b>Recommended Usage Levels</b>	1 – 5% as petrolatum replacement 10% + in anhydrous products
<b>Pack Sizes Available</b>	21 kg pails or 195 kg drums

<b>Appearance</b>	Light yellow transparent gel
<b>Odour</b>	Light, characteristic
<b>Solubility</b>	Soluble in all vegetable oils, glycerol triisostearate, isostearyl isostearate, oleic acid, isostearic acid, coco-caprylate/caprates and mixed glycerides. Insoluble in water, absolute ethanol, 1,2 propanediol, dimethicone
<b>Bacteriological Data</b>	Bacterial count (aerobic) <100 cfu/g
<b>pH (1:20 water emulsion)</b>	4.6 – 6.6
<b>Stability</b>	Store below 21°C in sealed containers. Shelf life is 1 year from ship date
<b>Formulating Recommendations</b>	Formulate at pH range of 3-8 and temperature range of 25°C - 80°C (75°C ideal)

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