



# Vegetatum® CASTOR 1023

*Sustainable*

*Functional*

*Cost effective*

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

Vegetatum® Castor 1023 leverages ricinoleic acid-rich Castor Oil which provides excellent film forming, pigment wetting and pigment adhesion properties, in a high viscosity gel format. This product also builds viscosity in anhydrous systems and is suited for cosmetics.



<b>INCI Name</b>	Ricinus Communis (Castor) Seed Oil (and) Glycine Soja (Soybean) Germ Extract (and) Zea Mays (Corn) Starch (and) Silica
<b>Recommended Uses</b>	Color cosmetics Lip products, including lip balm, lipstick, lip gloss
<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 and silicone. Partially soluble in ethanol and 1,2 propanediol
<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 at 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 45°C - 95°C



Contact us for more information at:

Doreen VandenTillaart  
[flax@natunola.com](mailto:flax@natunola.com) ♦ 613-774-9998  
 Natunola Health Inc.  
 661 St. Lawrence Street, Winchester, ON K0C 2K0

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