

**Technical Data Sheet of Ggel 100V**

**Product Description**

A gel mixture of organo-modified clay in cosmetic oils for rheology control

**Legislation**

- INCI Dimethicone (and) 2-Ethylhexyl Palmitate (and) Quaternium-90 Bentonite (and) Propylene Carbonate
- CAS # 63148-62-9/ 29806-73-3 / 226226-22-8 /108-32-7
- EINECS exempt/249-862-1/436-030-1/203-572-1

**General Product Specification**

<u>Item</u>	<u>Specification</u>
Appearance	A stable green/gray paste gel
Viscosity	3 – 10 million cP, Brookfield viscometer, Spindle TG, 1 rpm

**Toxicity profile**

- All components are commonly acceptable cosmetic ingredients which are not known to be hazardous to the health
- No animal and no-GMO derived ingredients

**Features/Benefits**

----- **Create Possibilities** -----

Last product specification update: 7/1/2010 Last document update: 4/21/2017

- Very stable gel, no separation overtime
- Predictable, reproducible and stable shear-thinning viscosity control
- Excellent suspension of pigments, actives, additives, etc in the oil phase
- Stabilize W/O emulsion
- Provide a smooth and lubricating sensory to skin
- Can be easily incorporated into the formulation during manufacturing

## **Applications**

Cosmetic and Toiletry:

- Foundations and other color cosmetics
- Skin care lotions and creams
- Antiperspirants

## **How to use it?**

- Add the Ggel 102V, under medium or high shear, to a portion of the organic components with which it is mutually compatible. Mix until homogenous before adding other ingredients. Take into account the potential large difference between the Ggel and the lower viscosity component into which it is mixing, when choose the right mixing equipment. Typical cosmetic equipments such as homogenizer would work.
- When using only low-shear mixing equipment, stir the Ggel alone and then slowly add the most compatible component by portions, always ensuring the mixture remains homogeneous at each stage.
- Normal dosage is 3 – 15% of the oil phase.

## **Packaging**

- Product is available in 18 kg /5 gallon pail and 180 kg / 55 gallon drum

## **Storage**

- Store the product in its original package, sealed tightly, and protect it from exposure to high temperatures

----- ---- **Create Possibilities** -----

Last product specification update: 7/1/2010 Last document update: 4/21/2017

Due to variations in methods, conditions, and equipment used commercially in processing these materials, no warranties or guarantees are made as to the suitability of information or products for the application disclosed. Nothing contained herein is to be considered as permission, recommendation, nor as inducement to practice any patented invention without the permission of the patent owner. Applechem shall not be liable and the User assumes all risk and responsibility for any use or handling of any material beyond Applechem's direct control.

----- **Create Possibilities** -----

Last product specification update: 7/1/2010 Last document update: 4/21/2017