

## Technical Data Sheet of OleoFlex FG 100

### Product Description

This is a novel honey-like non-greasy Gel, consisting of natural oil and advanced synthetic polymer. It is based on a patented technology which structures the natural oils by creating a 2-dimensional micro-sponge polymer network. It is an excellent film former, and forms a flexible and invisible vegetable oil film on the skin and hair, transforming dry and flaky skin into fresh and young looking skin, and restoring the dry and lifted hair cuticles back to healthy and shine hair. Please note that OleoFlex is the new trade name of NaturelVgel.

### Legislation

- INCI Helianthus Annuus (sunflower) seed oil (and) Carthamus Tinctorius (Safflower) Seed Oil (and) Styrene/Butadiene Copolymer
- CAS # 8001-21-6/8001-23-8/9003-55-8
- EINECS 232-273-9/232-276-5/exempt

### General Product Specification

<u>Item</u>	<u>Specification</u>
Appearance	Clear/Translucent honey-like gel
Odor	Characteristic Smell
Iodine Value	90 -135
Peroxide value	< 10
Viscosity (cP), RT/10 rpm/SP#5	20,000 – 50,000 cP
Appearance	Clear/Translucent honey-like gel

----- Create Possibilities -----

Last product specification update: 3/16/2020 Last document update: 3/16/2020

## Toxicity Data

- **Repeated Insult Patch Tests (RIPT):** The test results on 55 subjects: The product was “dermatologist-tested” and was not associated with skin irritation or allergic contact dermatitis in human subjects.
- **Oral toxicity test** of a laboratory prepared sample which is similar to OleoFlex FG 100 in composition, according to EPA Health Effects Test Guidelines, OPPTS 970.1100. **LD<sub>50</sub>** is > 5000 mg/Kg body weight

## Features/Benefits

- Honey-like flowing gel
- Thickening and texturing the oil phase, resulting in enhanced lubrication and silky sensory, and impact resistance
- Long lasting, flexible and comfortable film former on skin
- Repair and smooth the damaged hair cuticles back to healthy state

## Applications

Cosmetic and Toiletry:

- Skin care products:
  - lotions, creams, and body butter with unique sensory
- Color cosmetics:
  - Eye shadow, pressed or backed powder compacts with high impact resistance
- Hair treatment and conditioning:
  - Intensive Hair treatment /conditioning mask, cream, etc. for the damaged hair by hair coloring, perm, and bleaching
  - Daily hair repair and protection products: hair Serum, lotion, milk, conditioner, etc.
- Hair styling products with enhanced conditioning and sensory:
  - Hair styling cream, wax, texturizer, glue, etc.
- Personal cleansing products

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

Last product specification update: 3/16/2020 Last document update: 3/16/2020

## **Packaging**

- Product is available in 16 kg /5 gallon pail and 170 kg per drum

## **Storage**

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

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: 3/16/2020 Last document update: 3/16/2020