

## Technical Data Sheet of OleoFlex EG 200

### Product Description

This is a novel elastomeric and non-greasy Gel, consisting of natural oil and advanced synthetic polymer. It is based on a patented technology which structures the natural vegetable oils by creating a 3-dimensional micro-sponge polymer network. When used alone, or in combination with traditional waxes, it creates novel cushion texture and new product formats. It 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 NatureVgel.

### Legislation

- INCI Helianthus Annuus (sunflower) seed oil (and) Caprylic/Capric Triglyceride (and) Styrene/Butadiene Copolymer
- CAS # 8001-21-6/65381-09-1 (and 73398-61-5)/9003-55-8
- EINECS 232-273-9/265-724-3 (and 277-452-2)/exempt

### General Product Specification

<u>Item</u>	<u>Specification</u>
Appearance	translucent elastomer gel
Odor	Characteristic
Iodine Value	75 -95
Peroxide Value (meq/Kg)	< 10
Gel-to-Liquid temperature	38-45 C
Viscosity (cP), 70C/50 rpm/#2 spindle	400 – 1,400 cP

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

Last product specification update: 2/1/2012 Last document update: 11/19/2017

## 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 EG 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

- Bouncy and elastomeric gel
- Thermally reversible between the gel state and the liquid state.
- Thickening and texturing the oil phase, resulting in enhanced cushion, impact resistance, and unique product sensory and format
- Long lasting, flexible and comfortable film former on skin
- Restore 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
  - Sugar scrub in a tube for body, lips, etc.
- 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.

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

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- Personal cleansing products

### **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

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