

## PTG-HP

### Hempseedamidopropyl PG-Dimonium Chloride Phosphate\*

**CAS No. 83682-78-4 and EINECS 280-518-3**

#### Description

PTG-HP is a multi-functional, phospholipid complex composed of phosphatides with multiple long chain groups made from pure Hempseed oil which contains a significant amount of gamma linolenic acid and essential fatty acids. It is designed to mimic the natural phospholipids that occur in the body and deposits these essential fatty acids on skin. Hempseed is a unique oil that has been well documented in scientific literature to have many therapeutic benefits.

Essential fatty acids are required to maintain healthy, normal looking skin. PTG-HP contributes emulsification, moisturization and long-lasting skin smoothing characteristics in a broad array of skin care, dermatological and personal care preparations. Being a highly substantive non-occlusive emollient, PTG-HP imparts a high degree of elegance in skin treatment products.

#### Benefits

- **Highly substantive to skin and hair**
- **Deposits gamma linolenic acid & essential fatty acids to skin and scalp**
- **Low irritation potential**
- **Skin normalizer**
- **Non-occlusive moisturizer**
- **Silky smooth elegant after-feel**
- **Compatible with skin mantle pH**
- **Skin emollient**

#### Typical Properties

Appearance	Clear Liquid
pH, 10% aqueous	6.5
Solids, %	32
Color, Gardner	6 Max.

#### Applications

PTG-HP is an ideal component in a wide variety of skin treatment products, especially in formulations designed for use on sensitive dry or scaly skin including: moisturizers, barrier cremes lotions, wrinkle modifiers, anti-irritants, protection cremes, under makeup products, anti-acne and dandruff preparations.

#### \*Proposed INCI