

## **LIPOWAX<sup>®</sup> P**

### **TECHNICAL DATA SHEET**

INCI Name: Cetearyl Alcohol (and) Polysorbate 60  
CAS#: 8005-44-5, 67762-27-0 (and) 9005-67-8

Product Code: 12-023

#### **DESCRIPTION:**

**LIPOWAX<sup>®</sup> P** (Cetearyl Alcohol (and) Polysorbate 60) is composed of lipophilic high molecular weight fatty alcohols and ethoxylated stearate esters of sorbitol and sorbitol anhydrides in ratios to provide optimum emulsification. This nonionic oil-in-water emulsifying wax is compatible with anionic, cationic and nonionic surfactants, has moderate electrolyte tolerance and is stable over a wide pH range.

#### **APPLICATIONS:**

**LIPOWAX<sup>®</sup> P** is mainly used as a co-emulsifier, but can be used as a stand alone primary emulsifier. Product applications include: skin care creams, lotions and body washes and hair conditioners and masks. It is especially suited for acidic pH formulations such as acne treatment products and for high pH hair relaxers.

Typical recommended use levels: 1 to 3%

The HLB is approximately 14.9.

#### **TYPICAL PROPERTIES:**

Appearance @ 25°C	Off white waxy solid or flake or pastilles
Odor	Bland, characteristic
pH (3% w/w aq. dispersion)	5.5 - 7.0
Saponification Value	14 maximum
Hydroxyl Value	178 - 192
Iodine Value	3.5 maximum.
Melting Point, ° C	50 - 54

#### **SOLUBILITY:**

**LIPOWAX<sup>®</sup> P** is soluble in alcohol. It is miscible hot with most oil phase ingredients and is dispersible in warm water.

#### **STORAGE and HANDLING:**

**LIPOWAX<sup>®</sup> P** should be stored in closed, factory sealed containers at 25°C, out of direct sunlight and in a dry environment. Product should be used within two years of date of manufacture. Please refer to the Material Safety Data Sheet (MSDS) for this product for instructions on safe and proper handling and disposal.

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