

## PEIS-400F

\* What is Emollient? :A lipophilic substance that softens and lusters skin or hair, such as mineral oil, vegetable oil, ester oil, and silicone oil. Dispersing agent for sunscreen, organic and inorganic pigments and pigments in cosmetic formulations

\* Why use emollients in cosmetics :Emollient blocks moisture evaporation from the skin surface. Makes the skin soft and supple and increases the luster of the skin surface

\* Advantages of Emollient Esters :It has a structure similar to oil existing in the human body, is human-friendly, and has a long shelf life as it is not easily oxidized. With the variety of products, it is easy to realize the desired tactile feel of cosmetics.

## APPLICATION

- Skin care : lotion, cream, cleansing oil.
- sun care.
- Makeup: Used for all cosmetics such as foundation and lipstick.

## PRODUCT INFORMATION

INCI Name : Pentaerythrityl Tetraisostearate

CAS No.: 62125-22-8

EINECS No.: 263-423-1

Chemical formula :  $C_{77}H_{148}O_8$

Molecular weight : 1202 g/mol

## SPECIFICATION

Appearance : Yellowish, transparent liquid

Acid value(mg KOH/g) : 1.0 max

Saponification value(mg KOH/g) :  $190 \pm 10$

Color : APHA 70 max

Hydroxyl value(mg KOH/g) : 10.0 max

Iodine value(g I<sub>2</sub>/100g) : 3.0 max

Specific gravity(20°C) :  $0.910 \pm 0.01$

## Typical Characteristics

- A tetra ester of Pentaerythritol and Isostearic acid, a pale yellow transparent liquid.
- Scope of application: Suitable for all cosmetics, especially all skin care formulations. Various use for make-up, etc.
- Softens the skin and blocks the evaporation of moisture to keep the skin moist
- It is an oil-soluble thickener that controls the viscosity of cosmetics.
- Used for creams, lotions, make-up products, foundations, lipsticks, etc.
- Packaging unit : 180 KG steel drum
- Self life : 2 years
- Proper storage temperature: Indoor storage below 30°C

\* Please refer to the COA and MSDS for more details

The specifications and typical characteristics are approximate figures and they are not to be construed as warranties.