



TDS

Product Name: Cetyl-PG Hydroxyethyl Palmitamide

INCI Name: Cetyl-PG Hydroxyethyl Palmitamide

List of Main Ingredients

INCI name	CAS No.	Ratio of ingredient
Cetyl-PG Hydroxyethyl Palmitamide	110483-07-3	100%

1. Product Brief Introduction

Cetyl-PG Hydroxyethyl Palmitamide is an amino amide compound commonly used in the field of cosmetics and personal care products. It is produced through a specific chemical synthesis process and has excellent skin affinity and emollient properties. It can effectively improve the texture and skin feel of products and plays a key role in various product systems.



2. Product Specification

Product name	Cetyl-PG hydroxyethyl palmitamide		
Product code	BP1708	CAS No.	110483-07-3
Ingredient name	Cetyl-PG Hydroxyethyl Palmitamide	INCI Name	Cetyl-PG Hydroxyethyl Palmitamide
Storage condition	Store in an airtight container, in a dark and dry place, at room temperature.	Shelf life	2 years
Test Item	Specifications		Test method
Appearance	White to off-white solid		By observing
Odor	Characteristic odor		By smelling
Identification (IR)	Characteristic absorption peaks		CP 2025
Purity	≥98%		In-house specification
Melting point	72°C-78°C		CP 2025
Heavy metals			
Total heavy metals	≤20ppm		Cosmetics Safety Technical Specifications 2015
Arsenic	<2ppm		
Microbial test			
TAMC	≤100 cfu/g		Cosmetics Safety Technical Specifications 2015
TYMC	≤100 cfu/g		
Thermotolerant Coliforms	Absent /g		
Staphylococcus aureus	Absent /g		
Pseudomonas aeruginosa	Absent /g		



3. Product Introduction

Moisturizing:

It has excellent spreading and lubricating properties, which can improve the application performance of the product, making it easy to spread on the skin and giving the skin a smooth and delicate touch, enhancing the user experience.

Moisturizing and Hydrating:

Its structure includes two long alkyl chains and a hydrophilic unit composed of the amide bonds and hydroxyl groups, so the product can enhance the cohesion of epidermal cells and promote the hydration of the epidermis to form a protective film, preventing the loss of skin moisture and keeping the skin hydrated.

4. Product Safety

Based on the current relevant cosmetic safety assessment data and the history of normal use, Cetyl-PG Hydroxyethyl Palmitamide is safe for human use under normal usage conditions of cosmetic and personal care product.

5. Use

Cetyl-PG Hydroxyethyl Palmitamide is widely used in the field of skin care products.

Lotion / Cream:

The product is suitable for various cream and body lotion products. During the emulsification process, Cetyl-PG Hydroxyethyl Palmitamide is mixed with the oil, and after being evenly dispersed, the emulsification operation is carried out. It can effectively enhance the moisturizing property, stability and skin feel of the product.

Essential Oil:

The product can be added to the essence liquid and work in synergy with other active ingredients. While providing moisturizing and hydrating effects, it can also optimize the texture of the essence liquid, making it easier to be absorbed.

Facial masks:



The product can enhance the adhesion and moisturizing effect of the masks, allowing the effective ingredients in the masks to be better absorbed by the skin and improving the efficacy of the masks.

Hair care products:

The product can be added to the hair care products such as hair conditioner and hair mask, it can make the hair a soft and smooth, reduce the frizziness of the hair, make it easier to comb, and provide certain moisturizing effects for the hair, improving the dryness of the hair.

Bathing products:

The product can enhance the moisturizing effect of body wash, prevent the skin from feeling tight after bathing, provide a smooth texture to the skin, and improve the bathing experience.

Recommendation of addition amount: 0.2% ~ 10%

Use instructions for the formula: It is recommended that this product be dissolved at 80°C before being added to the oil phase.

Note: Based on the Serial No. 43 in the *form 3-the Restricted Ingredient* of Cosmetics Safety Technical Specifications 2015, this raw material shall not be used together with Nitrosating system, avoiding to form nitrosamine. The maximum content of secondary chain alkylamine in the product is 0.5%, and the maximum content of nitrosamine is 50 μ g/kg; the maximum content of secondary chain alkylamine in the raw materials is 5%; it shall be stored in containers without nitrite.

Disclaimer

We will, to the extent possible and within the scope of public disclosure, provide our customers with suggestions on application technical knowledge, but we do not assume any obligations. Our suggestions are for reference only and do not carry any legal liability. If necessary, customers are requested to conduct necessary testing and verification of the product.