

# MACKERNIUM<sup>®</sup> CC-112P9



INCI Name: Isostearamidopropyl Ethyldimonium Ethosulfate

CAS No.: 67633-63-0

EINECS: 266-778-0

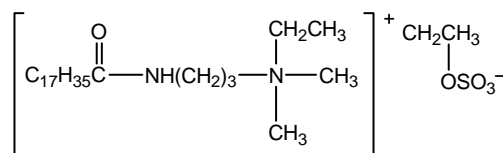
## Product Description

**Mackernium CC-112P9** is an effective, anionic compatible quaternary conditioner. It is based on a vegetable-derived grade of isostearic acid and is sold in an anhydrous, inert solvent. It is highly active and can be used in a variety of household and personal care products to add lubricity and antistatic properties. **Mackernium CC-112P9** can be used to formulate clear, conditioning shampoos and body cleansers. It is preservative free.

## Specifications

Appearance @ 25 Deg C	Clear Liquid
Infrared Spectrum	Matches Standard
Color Gardner	8 Max
pH (5% Solution)	6.0 – 7.5
Cationic Activity, % Calculated	71 – 75
Free Amine	1.0 Max
Moisture (Karl Fisher), %	1.0 Max

## Chemical Structure



## Typical Properties

Specific Gravity @ 25°C	1.03
Diluent	PEG-9
Total Plate Count (CFU/g)	<10
Gram Negative Bacteria	Absent

## Regulatory

### Mackernium CC-112P9

TSCA:	Listed	Japan:	Listed
EU:	Exempt	Korea:	Listed
Australia:	Listed	New Zea:	Listed
Canada:	Listed	Philipp:	Listed
China:	Listed	Swiss:	Unknown

## Principal Uses

### Personal Care

Hair Conditioners	1% - 3%
Hand Cleansers	0.5% - 1%
Body Washes	1% - 2%
Conditioning Shampoos	1% - 3%

### HI&I

Antistatic Agent	0.1% - 1%
Carwash Drying Aid	0.1% - 3%
Glass Cleaner	0.1% - 0.5%

## Storage and Handling

**Mackernium CC-112P9** should be stored in sealed containers below 30°C in a dry place out of direct sunlight. If material is exposed to cold, gently heat to 35°C and mix before use. Handle between 25°C – 35°C. Product can be heated higher if necessary; do not exceed 90°C. Incorporate product with oil or surfactant phase whenever possible. Product will gel if added directly to water but can be dispersed with mild heat.

## Shelf Life

Shelf life 24 months from date of manufacture.

## Packaging

Available in Bulk, 55 pound pails, and 450 pound plastic drums.

### WARNING

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