

MACKERNIUM[®] SDC-85

INCI Name: Stearalkonium Chloride

CAS No.: 122-19-0

EINECS: 204-527-9



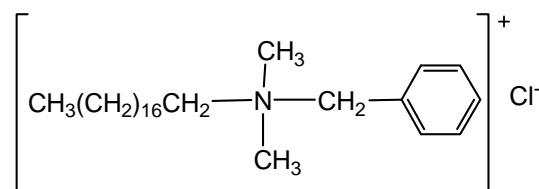
Product Description

Mackernium SDC-85 is a high active, flaked form of stearylalkonium chloride. As a flake it is easy to handle compared to the low active paste. **Mackernium SDC-85** at a concentration of less than 2% provides the essential conditioning and improved compatibility needed in a hair conditioner. It is also compatible with the conditioning additives used in current hair care products, e.g., proteins, jojoba oil, aloe vera, etc. **Mackernium SDC-85** contains no preservatives. It is produced from a combination of synthetic and vegetable-derived raw materials and contains no animal derivatives. This product contains 10% propylene glycol and some cetearyl alcohol to aid in its manufacturing.

Specifications

Appearance @ 25 Deg C	Waxy Flake
Color Gardner	2 Max
Quaternary, % (MW = 424) Apparent	68.5 – 71.5
pH @ 25 Deg C (2% in 5% IPA/Water)	4.5 – 7.5
Melting Point, Fisher Johns, Deg C	72 – 78
Amine HCL, % (MW = 333)	2 Max
Infrared Spectrum	Matches Standard

Chemical Structure



Typical Properties

Specific Gravity @ 25°C (Bulk Density)	0.55
---	------

Regulatory

Mackernium SDC-85

TSCA: Listed	Japan: Not Listed
EU: Listed	Korea: Not Listed
Australia: Listed	New Zea: Listed
Canada: Listed	Philipp: Listed
China: Listed	Swiss: Unknown

Principal Uses

Cream Rinses	1% - 2%
Hair Conditioners	1% - 2%

Model Formula

Model Formula	Weight, %
Mackernium SDC-85	2
Cetyl Alcohol	3
Citric Acid to pH 4-5	q.s.
Water, Dye, Preservative, & Fragrance	q.s. to 100

Shelf Life

Shelf life 24 months from date of manufacture.

Storage and Handling

Mackernium SDC-85 should be stored in sealed containers below 30°C in a dry place out of direct sunlight. Handle between 25°C – 35°C. **Mackernium SDC-85** will require heat to incorporate. 80° until dissolved is recommend; do not exceed 90°C.

Packaging

Available in Bulk, 25 kilogram bags, 100 kilogram drums, 200 pound fiber drums, and 220 pound fiber drums.

WARNING

The information contained in this document is given in good faith and based on our current knowledge. It is only an indication and is in no way binding, notably as regards infringement of or prejudice to third parties through the use of our products.

RHODIA GUARANTEES THAT ITS PRODUCTS COMPLY WITH ITS SALES SPECIFICATIONS.

This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for a given use. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorizations. Users are requested to check that they are in possession of the latest version of the present document and RHODIA is at their disposal to supply any additional information.