

MACKPRO® PLUS WHEAT-C

INCI Name: Cocodimonium Hydroxypropyl
Hydrolyzed Wheat Protein

CAS No.: 130381-04-3

EINECS No.: Polymer Exempt



Product Description

MackproPlus Wheat-C is a vegetable-derived cationic conditioner based on hydrolyzed wheat protein and coco nut oil. It is highly substantive which helps to strengthen, moisturize, and condition damaged hair. The presence of 2% cysteine aids in its substantivity, which helps to reduce static charge and improve shine. In a tensile strength study, **MackproPlus Wheat-C** exhibited excellent hair strengthening properties when compared to Hydrolyzed Wheat Protein. It also provides excellent wet combability and detangling as demonstrated in two different studies on Caucasian and Asian hair (via Dia-Stron™ measurements). **MackproPlus Wheat-C** is compatible with all surfactant classes and has been proven to not depress foam in anionic systems.

Specifications

Appearance @ 25°C	Clear
Odor @ 25°C	Typical
pH, as is, @ 25°C	4.5 – 5.5
Solids, 105°C 2G2HR w/PAD	25.0 – 28.0
Ash, %	3.0 Max
Gardner Color @ 25°C	12 Max

Typical Properties

Specific Gravity, @ 25°C	1.07
Molecular Weight (Av.)	2000-3000
Nitrogen % (Average)	3.3
Total Plate Count (CFU/g)	< 10
Gram Negative Bacteria	Absent

Principal Uses

Conditioning Shampoos	1-5%
Hair Conditioners	3-5%
Conditioning Mousses	3-5%
Facial and Hand Cleaners	1-3%

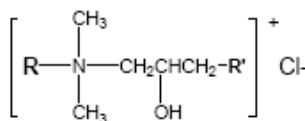
Shelf Life

24 months from date of manufacture.

Packaging

Available in 140 lb. (63.5 kg) drums
and 5 gallon pails.

Chemical Structure



Where R represents alkyl groups derived from coconut oil and R' represents hydrolyzed wheat protein moiety

Regulatory

Mackpro Plus Wheat-C

TSCA: Not Listed	Japan: No Info
EU: Exempt	Korea: Not Listed
Australia: Listed	New Zea: Listed
Canada: Listed ICL*	Philipp: Listed
China: Not Listed	Swiss: No Info

*Canada In-Commerce List 1/1/87 – 9/13/01.
Mackpro Plus Wheat-C is not on EPA's TSCA open inventory and is thus to be used only for exempt applications such as cosmetics in the U.S.

Storage and Handling

Mackpro Plus Wheat-C should be stored in sealed containers below 30°C in a dry place out of direct sunlight. If material becomes hazy after exposure to cold gently heat to 35°C and mix before use. Handle between 25°C – 35°C. Avoid prolonged exposure to heating as this may lead to degradation.

PRODUCT INFORMATION 200030300 – January 2010/ljb Page 1 of 2

For orders or questions, call us at the following numbers or visit us at www.rhodia-novecare.com

North America
1-888-778-7337

Europe – Middle East – Africa
(33) 01 53 56 50 00

Asia – Pacific
(65) 62 91 19 21

Latin America
(55) 11 37 47 78 86

MACKPRO[®] PLUS WHEAT-C

INCI Name: Cocodimonium Hydroxypropyl

Hydrolyzed Wheat Protein

CAS No.: 130381-04-3

EINECS No.: Polymer Exempt



Model Formulations

Shampoo for Color Treated and Relaxed/Permed Hair (#630)

<u>Ingredient</u>	<u>% by Weight</u>	<u>Function</u>
Water, soft	q.s.	Carrier
Ammonium Lauryl Sulfate	10.0	Primary surfactant
Ammonium Laureth Sulfate	20.0	Primary surfactant
PEG-18 Glyceryl Oleate/Cocotate	1.2	Solubilizing agent
Mackam [®] 2C (Disodium Cocoamphodiacetate)	5.5	Mild secondary surfactant
Peg-12 Dimethicone	0.4	Wet/dry combability
Mackpro [®] Plus Wheat-C (Cocodimonium Hydroxypropyl Hydrolyzed Wheat Protein)	4.0	Hair strength and protection
Citric Acid	q.s.	pH adjust
Ammonium Chloride	q.s.	Viscosity adjust
Paragon [®] MEPB (Phenoxyethanol (and) Methylparaben (and) Butylparaben (and) Ethylparaben (and) Propylparaben)	0.8	Preservative
Fragrance, Dye	q.s.	Aesthetics
Na ₂ EDTA	0.1	Cation control

Premium Shampoo (#659)

<u>Ingredient</u>	<u>% by Weight</u>	<u>Function</u>
Water, soft	q.s.	Carrier
Mackadet [®] BWC (Sodium Laureth Sulfate (and) Sodium Lauryl Sulfate (and) Disodium Oleamido MEA Sulfosuccinate (and) Glycol Distearate (and) Cocamide MEA (and) Cocamidopropyl Betaine)	38.0	Surfactant blend
Glycerin	1.0	Humectant
Mackanate [®] EL (Disodium Laureth Sulfosuccinate)	5.0	Mild surfactant
Mackpro [®] Plus Wheat-C (Cocodimonium Hydroxypropyl Hydrolyzed Wheat Protein)	4.0	Hair strengthening
Phenagon [®] PDI (Phenoxyethanol (and) DMDM Hydantoin (and) Iodopropynyl Butylcarbamate)	0.2	Preservative
Citric Acid	q.s.	pH adjust
Sodium Chloride	q.s.	Viscosity adjust
Fragrance, Dye	q.s.	Aesthetics

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.

PRODUCT INFORMATION 200030300 – January 2010/ljb Page 2 of 2

For orders or questions, call us at the following numbers or visit us at www.rhodia-novecare.com

North America
1-888-776-7337

Europe – Middle East – Africa
(33) 01 53 56 50 00

Asia – Pacific
(65) 62 91 19 21

Latin America
(55) 11 37 47 78 88

