



## UNDEOAT

Lipoaminoacid surfactant

*Active and mild "in one"*

### CHARACTERISTICS

Unde oat is the result of Sinerga's technical experience in Lipoaminoacids (Li.Ami.Aci.) applied to the world of surfactants: **functional surfactant ingredient.**

Unde oat is a Lipoaminoacid obtained from **Undecylenic acid** and selected **amino acids derived from Oat** (Avena sativa): a mild surfactant with excellent tolerability and compatibility, that is able to **reduce skin irritation** caused by other surfactants and to **respect the skin barrier** without damaging proteins of the horny layers.

Unde oat has showed **strong antibacterial** and **antifungal properties** and also **reduces sebum** and **dandruff formation**, after dermatological and self evaluation.

Unde oat is an **excellent surfactant** for **greasy skin** and **hair**.

### PROPERTIES

- Natural Ingredient
- Palm oil free
- Outstanding clearness and transparency
- Preservative free
- Soft and creamy foam
- Mild surfactant
- Eco-friendly
- Readily biodegradable

### FOCUS INFO

#### INCI NAME

Undecylenoyl Oat Amino Acids

### TECHNICAL SPECIFICATIONS

Appearance: clear liquid

Colour: transparent

Odour: characteristic

pH: 6.5 - 7.5

Dry residual: 30 - 34%

Active washing ingredient: 28 - 30%

Suggested Dosage: 3 - 5 %

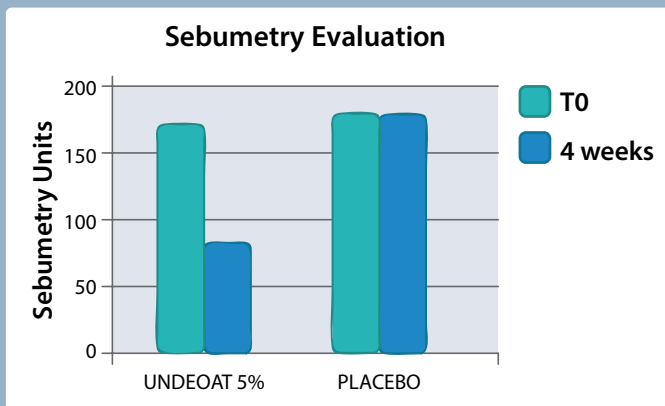
### COSMETIC APPLICATIONS

- Hair-care and scalp treatments
- Greasy skin and hair
- Acne and dandruff treatments
- Bio claims substantiation
- Baby care and sensitive skin

## EFFICACY IN VIVO STUDY

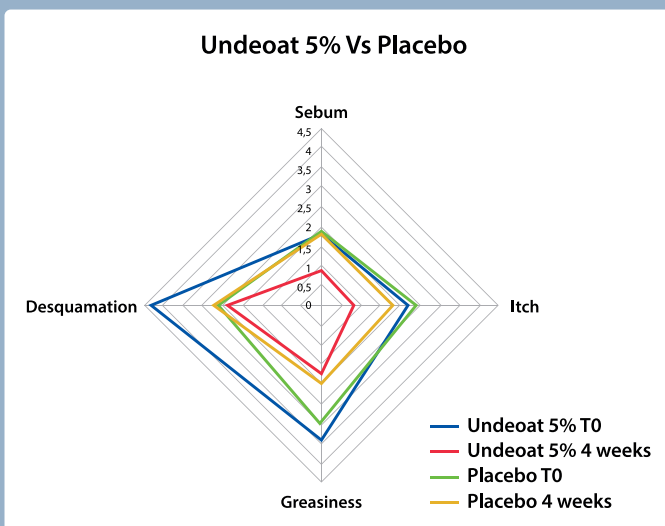
Evaluation on the scalp of dermatological parameters (sebumetry, greasiness, scaliness, itchness).

Treatment with shampoo Unde oat 5% Vs placebo during 4 weeks on 30 volunteers.



After 4 weeks Unde oat reduces:

- Sebumetry on the scalp (-50%) in comparison to the placebo
- Itch sensation (-65%)
- Greasiness on the scalp (-50%)
- Desquamation on the scalp (-45%)



The results of the study on Unde oat showed an improvement of the compliance together to very good patients' satisfaction.

Unde oat is suggested in mild detergent with anti-microbial and anti-itching claims for hair-care and scalp treatments.

## PURIFYING SHAMPOO FOR GREASY HAIR

LSIN 4293\*

INGREDIENTS	PHASE	%w/w
Cocamidopropyl Betaine	A	25.00
Disodium Coccoamphodiacetate	A	15.00
Caprylyl Capryl Glucoside	A	2.00
<b>COCOYL WHEAT AMINO ACIDS (SINERGA)</b>	A	3.00
<b>FENIOL (SINERGA)</b>	A	1.00
Parfum	A	0.30
<b>UNDEOAT (SINERGA)</b>	A	3.00
Water	B	to 100
Disodium EDTA	B	0.10
<b>PHYTOPROTEIN AC (SINERGA)</b>	C	1.00
VEGEQUAT (SIN ERGA)	C	2.00
Citric Acid	D	0.20
PEG-120 Methyl Glucose Diolate	D	2.00

### METHOD

Weight phase A. Weight phase Band slowly add to phase A under low stirring. Add C and D.

### CHARACTERISTICS

Aspect	Clear liquid
Colour	Light yellow
pH	5.6

## SOFT WASH LSIN 4100\*

INGREDIENTS	PHASE	%w/w
Cocamidopropyl Betaine	A	30.00
Disodium Coccoamphodiacetate	A	6.00
Caprylyl Capryl Glucoside	A	2.00
<b>COCOYL WHEAT AMINO ACIDS (SINERGA)</b>	A	2.50
Sodium Lauroyl Sarcosinate	A	8.00
Coca-Glucoside	A	2.50
Phenoxyethanol	A	0.60
Parfum	A	0.10
<b>UNDEOAT (SINERGA)</b>	A	3.00
Water	B	to 100
Disodium EDTA	B	0.50
<b>PHYTOPROTEIN AC (SINERGA)</b>	C	2.00
PEG-18 Glyceryl Oleate/Cocoate	D	3.00

### METHOD

Weight phase A. Weight phase Band slowly add to phase A under low stirring. Add C and D.

### CHARACTERISTICS

Aspect	Clear liquid
Colour	Light yellow

\*Formulation tested in Sinerga Research Centre according to stability and laboratory manufacturing procedures.

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