

NEOSSANCE®

Hemisqualane

An INNOVATIVE light EMOLLIENT with HIGH SPREADABILITY IDEAL for NATURAL COSMETIC FORMULATIONS

HEMISQUALANE is a plant-derived non polar C15 hydrocarbon. It is a perfect alternative for petroleum-based paraffins and silicone ingredients.

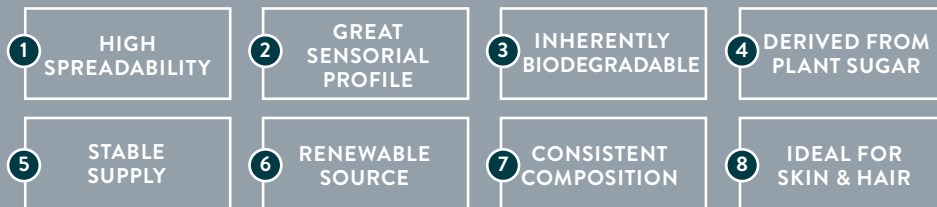
It has a great sensorial profile providing unique qualities including being a non-volatile emollient with a light and dry feel.

In **skin care** it creates elegant and light textures with a non-tacky, non-greasy and silky finish. Its ability to dissolve crystalline UV filters also makes it an ingredient of choice for sun care products.

In **make up**, it facilitates a smooth and even application for lipsticks and foundations. It also demonstrates excellent cleansing properties for make up removal, including waterproof formulations like mascaras.

With high spreadability and soft after feel, it is also the ideal ingredient for hair care applications, leaving the hair smooth and soft without weighing it down.

CORE BENEFITS



CERTIFICATIONS

ECOCERT-approved

USDA Certified Bio-based Product

NPA, The Natural Seal Certified

PROVEN PERFORMANCE SKIN CARE

- High spreadability
- Luxurious and light textures
- Soft and silky after feel
- Excellent cleansing properties
- Non-comedogenic

HAIR CARE

- Provides color protection
- Reduces frizz
- Delivers heat protection and prevents damage
- Provides easier combing
- Leaves hair silky and smooth

TYPICAL PROPERTIES

INCI NAME: C13-15 Alkane (China listed 2014 IECIC) CCCCCCCCCCCC

TEST DESCRIPTION	SPECIFICATION LIMITS		UNIT OF MEASURE
	MINIMUM	MAXIMUM	
PURITY BY GAS CHROMATOGRAPHY	95		Area%
DENSITY @ 20° C	0.761	0.776	g/cc
REFRACTIVE INDEX @ 20° C	1.425	1.435	
IODINE NUMBER		0.5	g I2/100g
ACID NUMBER		0.1	mg KOH/g
ODOR	Nearly odorless		
APPEARANCE & COLOR	Colorless liquid		

COSMETIC APPLICATIONS: Skin, Hair, Sun and Body Care, Makeup, Makeup removers, Cleansers, Antiperspirants and Deodorants.

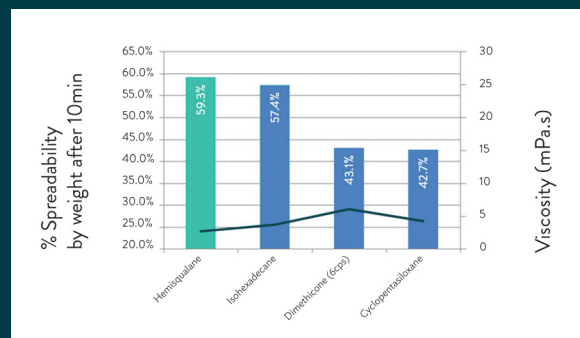
Usage level: Up to 55%

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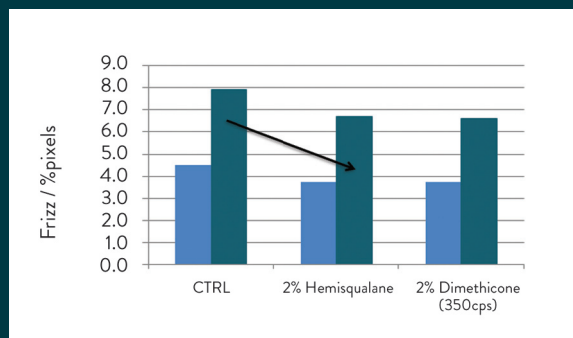
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PROVEN PERFORMANCE

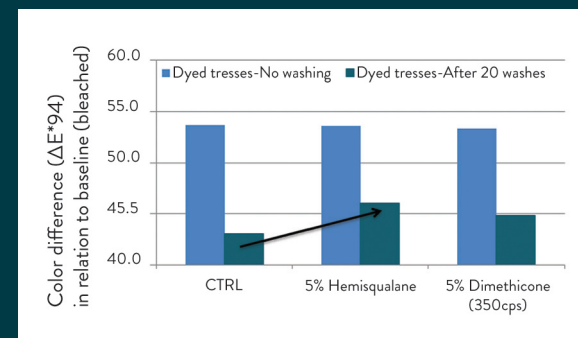
HIGH SPREADABILITY



REDUCES FRIZZ BY 29%



IMPROVES COLOR MAINTENANCE BY 30%



AMYRIS STORY

Founded in 2003 by a group of scientists from the University of California, Berkeley, Amyris uses breakthrough science and an innovative business model to address global sustainability challenges. Amyris utilizes biological systems to provide the foundation for high performing, cost competitive and sustainable alternatives to chemical and petroleum based products.



AMYRIS is APPLYING INSPIRED SCIENCE to DELIVER SUSTAINABLE SOLUTIONS for a GROWING WORLD.

Amyris began by developing microbial strains for a precursor to an effective anti-malarial drug. Funded by the Bill & Melinda Gates Foundation, the project provides the technology responsible for over 120 million malaria treatments. Building on this success, Amyris is applying its innovative platform to produce renewable jet and diesel fuel, reducing dependence on petroleum and lowering greenhouse gas emissions. The company also produces renewable fragrances, cosmetic ingredients, and solvents.



2014 PRESIDENTIAL
GREEN CHEMISTRY
AWARD WINNER



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