

Citropol® H

Citropol® H is a revolutionary medium viscosity cosmetics polymer. It is 100% derived from sustainable feedstocks and is a viable natural alternative to dimethicone 350 cPs.

INCI: Polycitronello



Representative Properties

Form	Liquid	Density (g/cm³ at 25°C)	0.850-0.950
Odor	Slight Fresh	Boiling Point (°C)	>200°C
Color	Colorless to straw	Solubility	Alcohols and Oils
Viscosity (dynamic)	255-405 mPa.s at 25°C	Flashpoint	>150°C

Sustainability & Biodegradability

All P2 Science products are biorenewable, biodegradable, and biocompatible. They do not compromise human or environmental safety.

Citropol® is inherently biodegradable according to the OECD 301B biodegradability test.

Citropol® H Applications

Citropol® H is a versatile, multifunctional polymer, imparting a lightweight and velvety feel in skin care formulations, while enabling consumer-relevant performance benefits in hair care.



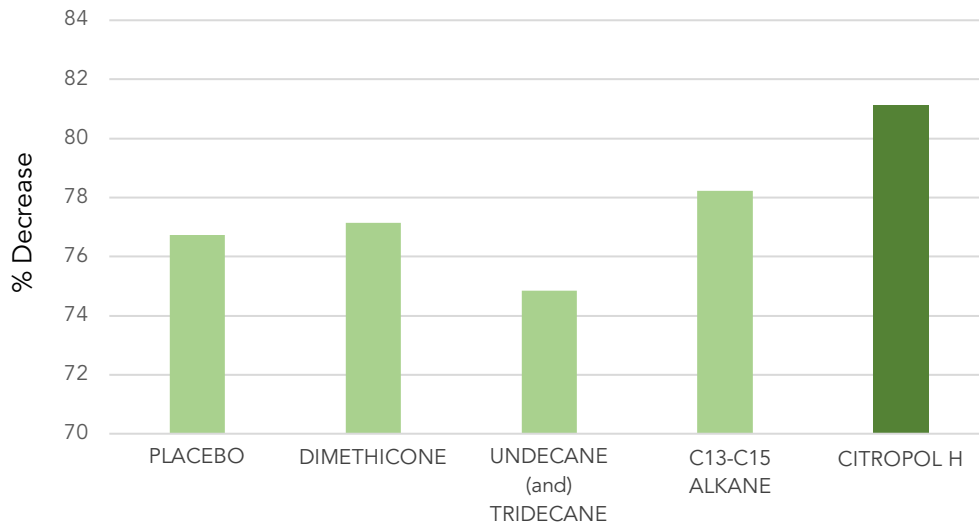
Recommended use levels

Performance benefits observed at use levels from 1% to 5%, depending on application.

Benefits:

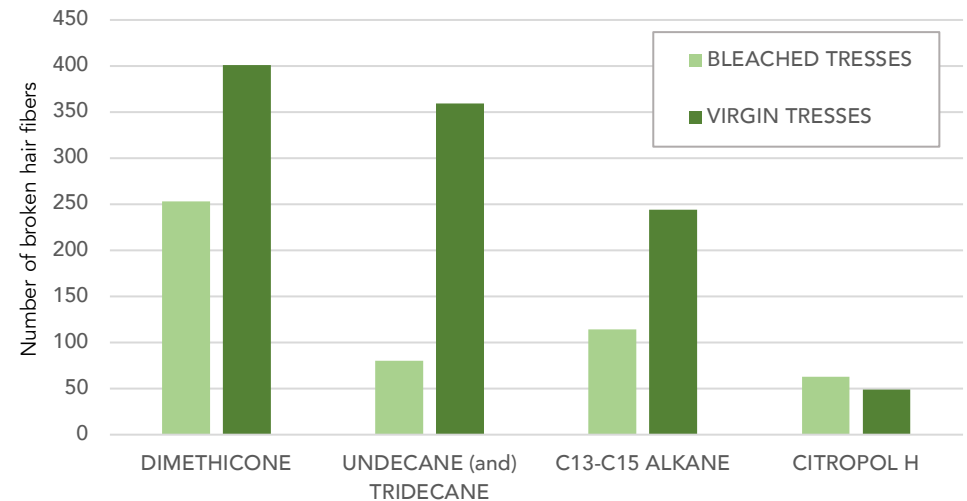
- Less buildup in hair compared to silicones
- Improved detangling compared to standard emollient benchmarks
- Improved resistance to damage compared to common benchmarks

% Comb Force Decrease on Bleached Tresses Combed in Wet State



Damage Reduction & Prevention

Citropol® H shows a significant reduction in broken hair fibers compared to silicone oil and common emollients.



Formulation Spotlight:

Liquid Blush

Black Mascara

Rinse Out Hydrating Hair Mask

