

Citropol® 1A

Citropol® 1A is a low molecular weight liquid polymer that imparts distinct lubricating properties for slippery, silky formulations. It is bio-renewable, bio-degradable, and has a noticeable effect in both skin and haircare formulations at concentrations as low as 1%.

INCI: Polycitronellol Acetate



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)	25-60 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® 1A Applications

Providing an appealing silky feel to formulations, Citropol® 1A is multifunctional across skin, hair, and color cosmetics applications.

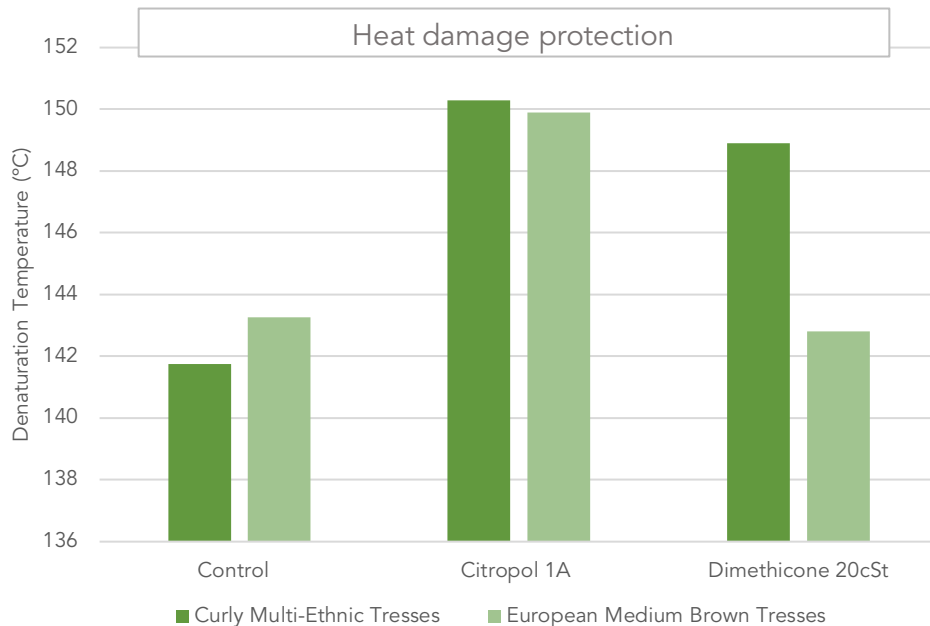


Recommended Use Level

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

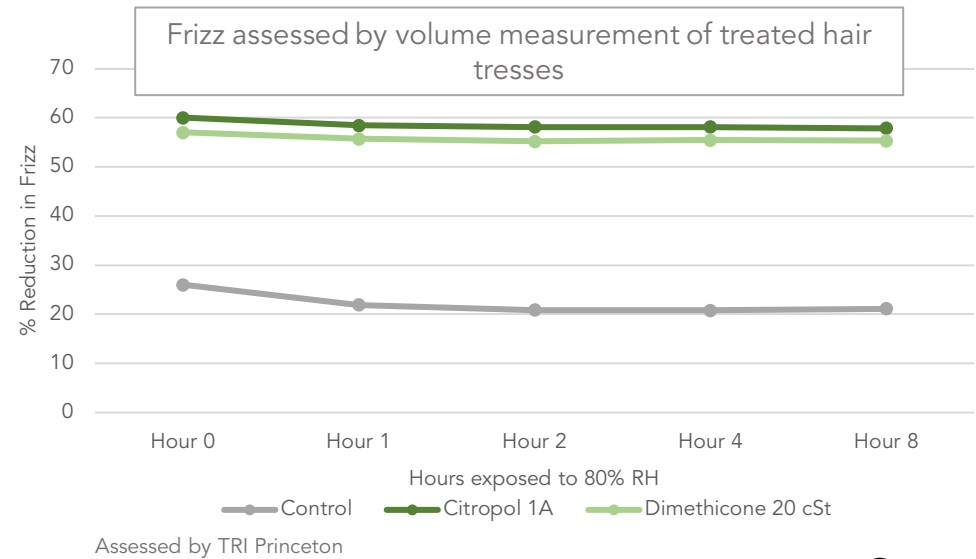
Heat Damage Protection

Citropol® 1A better protected hair against heat damage compared to untreated hair and hair treated with a silicone benchmark across both multi-ethnic and European hair tresses



Frizz Reduction

Citropol® 1A demonstrates sustained frizz reduction over 8 hours, outperforming a silicone benchmark.



Formulation Spotlight:

Lightweight Pomegranate Shea Hand Cream

Hydrating Detangler Mist

