

Citropol F[®]

Citropol[®] F is a fragrance fixative and carrier. Citropol F has a light odor and can solubilize and present a wide variety of essential oils and fragrance ingredients. Fragrance solutions with Citropol F have the benefit of having an immediate and strong initial impression, as well as a controlled release of volatile ingredients over an extended period of time. Citropol F provides hydrolytic stability while being 100% biorenewable, biodegradable, and biocompatible. Citropol F is a high-performing fragrance fixative that adheres to Clean Beauty standards and provides renewability and long-lasting benefits.

INCI: Polycitronellol

Renewability

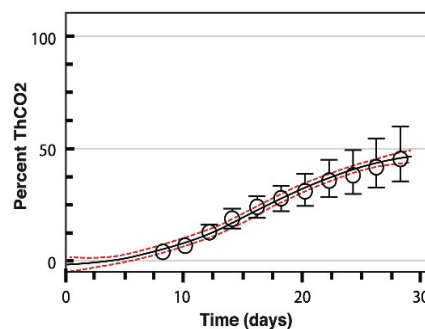
Citropol[®] F is sustainably manufactured from naturally-derived feedstocks. It is made to meet the highest standards of the cosmetics and personal care industries. The raw material terpenes are Forest Stewardship Council (FSC) certified pine, and are upcycled via side-stream turpentine from the paper making process.

Biodegradability

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

OECD 301B - Biodegradation

Sample 1 - Citropol[®] F



Representative Properties

| | |
|--------------------------|-------------------------------|
| Appearance | Clear, liquid |
| Odor | Odorless to very slight fresh |
| Color | Colorless to slight yellow |
| Viscosity (mPa·s @ 25°C) | 260 - 400 |
| Refractive Index @ 20°C | 1.4 - 1.5 |
| Surface Tension (mN/m) | 27 - 33 |
| Density (g/mL) | 0.850 - 0.950 |
| Boiling Point (°C) | > 200 |
| Solubility | Soluble in alcohols and oils |
| Bio-Based (%) | 100 |

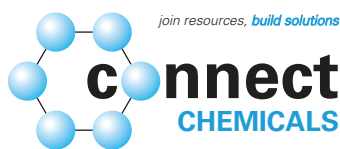


Did You Know?

Citropol[®] is made by a clean, mild, and high yielding conversion process called Process Intensified Continuous Etherification (PICE[™]).

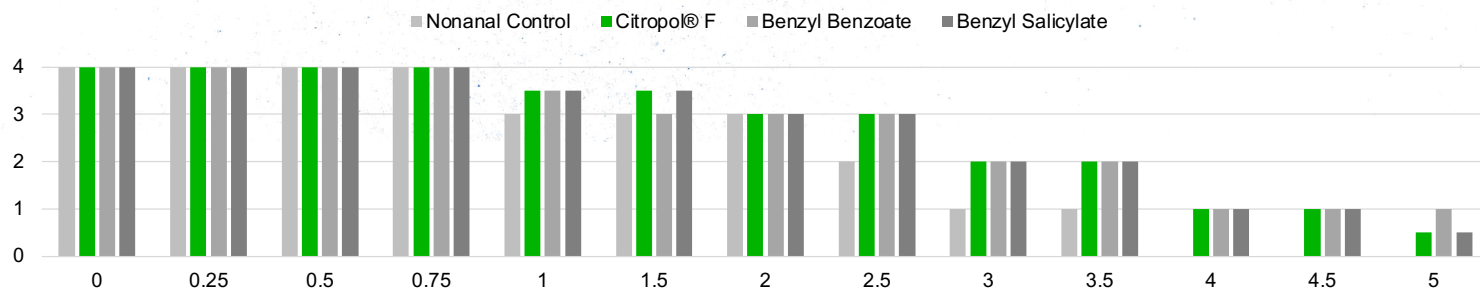


Elegant
Processes.
Sustainable
Products.

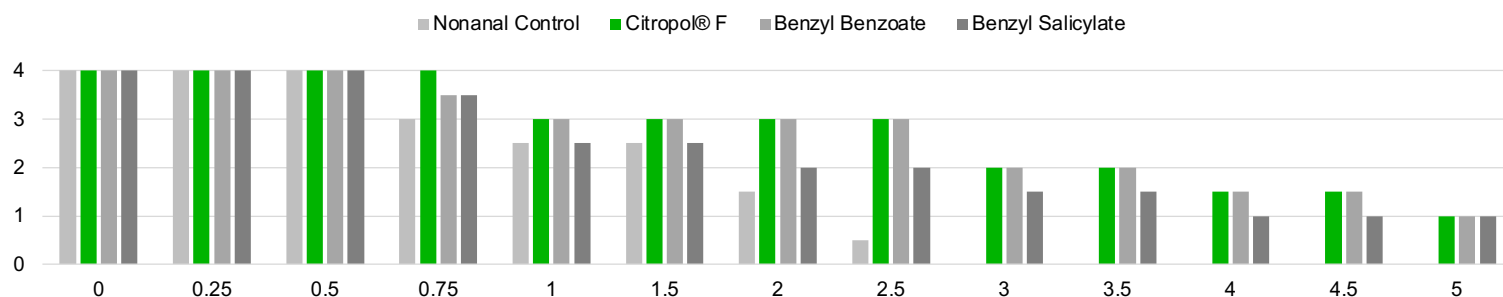


About Citropol F

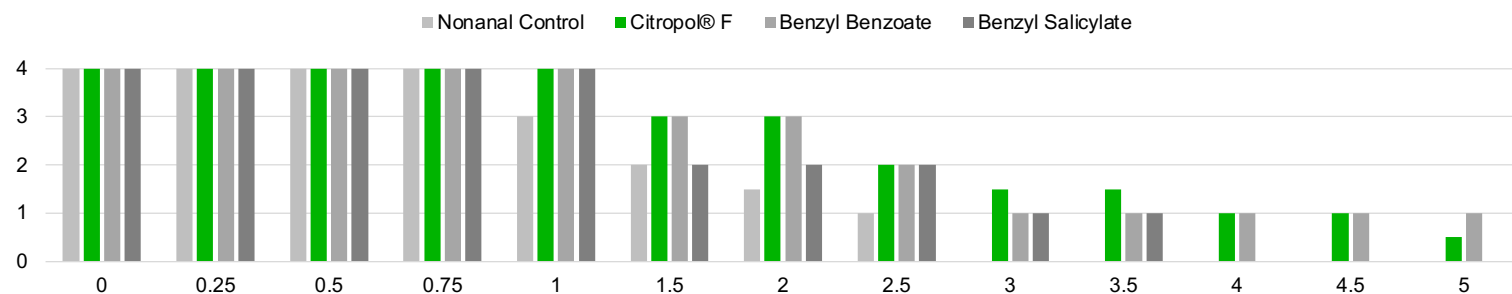
Fragrance Fixative Effects on Upholstery



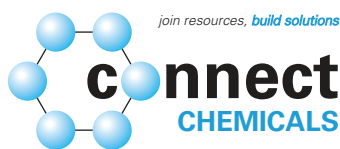
Fragrance Fixative Effects on Cotton Fabric



Fragrance Fixative Effects on Marine Vinyl



Elegant Processes.
Sustainable Products.



Our Commitment to Sustainability

For every kilo of Citropol® F sold, P2 Science will sponsor the planting of a tree.

Learn more about our Plant a Forest Initiative at <http://p2science.com/about-us/>.



1 Kilo of Product Sold



1 Tree Planted



1 Ton of CO₂ Absorbed

**For more information and samples,
please contact:**

sales@p2science.com

p2science.com



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Sustainable
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