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# Thetapel™ LP-C306

Short-Chain Leather Protector Cream

## Overview

- Short-Chain Fluorochemical Technology (meets the goal of the US EPA 2010/2015 PFOA Stewardship Program)
- Rich, spreadable, Ready-to-Use cream that protects finished leathers from stains
- Colorless and non-yellowing, does not leave an artificial sheen
- Imparts Oil, Water and Alcohol Repellency
- Water-based, meeting all VOC Regulations with low VOC content (less than 100g/L, as delivered) Designed for ambient temperature application and performance
- Easy to apply, gently rub into leather surfaces and wipe off excess
- Performance summary-  
**Water/Alcohol repellency: 4**  
**Oil repellency: 2**

## Applications

- After-market Leather Protection
- Ready-to-use Leather Cream
- Automotive Interiors
- Leather Upholstery
- Leather Apparel: pants, skirts, jackets, and gloves
- Luggage, briefcases and handbags

## Technical Information

Thetapel LP-C306 is a partially fluorinated leather protector cream designed for ready-to-use stain protection of finished leather surfaces. Thetapel LP-C306 has been specifically designed for ease of use, without altering the feel or appearance of the leather, or leaving any artificial sheen.

Regular use of Thetapel LP-C306 allows leather to maintain a “like new” appearance. Free of silicones and waxes.

Environmentally responsible, Thetapel LP-C306 is non-flammable and meets all current VOC regulations.

## Formulary

It is recommended to try the protector in a small area prior to full application.

Gently apply in a circular motion using a lint-free cloth, and wipe off any excess product after working it into the leather.

Thetapel LP-C306 has been found to be effective on a wide range of finished leather surfaces, including upholstery, apparel, luggage, and automotive interiors.

## Typical Properties

PROPERTY	VALUE
Appearance	Creamy, off-white emulsion
Odor	Mild
Density	0.96 - 1.00 g/ml
pH (as is)	5.5±1.0
Viscosity@25C (Brookfield), MPa·s/cps	1800-2300
Flash point	> 100°C
Storage	Freeze/Thaw stable
Shelf life	12 months

## Packaging and Handling

Thetapel LP-C306 is available in:  
275 gallon totes (Net Wt. 2200 lbs)  
55 gallon plastic drums (Net Wt. 440 lbs)  
5 gallon pails (Net Wt. 40 lbs)

Refer to the Safety Data Sheet (SDS) for information on the safe use, handling, and disposal of this product

DOT Classification: Non-Regulated

Whether you're looking for a replacement product, or an ingredient for a specific attribute, give us a call. We can provide assistance based upon your particular formulation requirements and composition; please feel free to contact us.

*Please refer to back page for important information*

## Thetapel™ LP-C306 Performance Data

### Water/Alcohol Repellency and Oil Repellency

Water and Oil repellency are key determining performance parameters for soil and stain resistance, with substrates that repel soiling and staining liquids being more resistant. Leather surfaces treated with Thetapel LP-C306 are repellent to soiling and staining liquids.

#### Water/Alcohol Repellency Drop Test (DuPont Test Method)

To evaluate the relative water repellency of a treated substrate, the Water/Alcohol Repellency Drop Test is commonly used. In this test, a series of wetting solutions with increasing wetting power are applied to a treated test substrate, with treated surfaces repelling the strongest wetting solution achieving the highest repellency rating. Repellency was measured by applying 3 drops of test liquid and observing wetting of the treated surfaces. Test liquids ranged from weakly wetting 2% isopropanol in water (1 rating) to strongly wetting 50% isopropanol in water (6 rating). The higher the concentration of isopropanol (higher number rating) of the drop not wetting the surface, the more repellent the surface. If the drops were repelled for longer than 10 seconds, the surface was judged to be repellent to the test liquid.

*The water repellency of the Thetapel LP-C306 treated leathers achieved repellency ratings of 4, indicating a good resistance to soiling and staining liquids.*

#### Oil Repellency Drop Test (AATCC Test Method 118-2002)

To evaluate the relative oil repellency of a treated substrate, the Oil Repellency Drop Test is commonly used. In this test, a series of solvent solutions with increasing solvent power are applied to a treated test substrate with treated surfaces repelling the strongest solvent solution achieving the highest repellency rating. Repellency was measured by applying 3 drops of test liquid and observing wetting of the treated surfaces. Test liquids ranged from weakly wetting mineral oil (1 rating) to strongly wetting decane (6 rating). The higher the number rating of the drop not wetting the surface, the more repellent the surface. If the drops were repelled for longer than 10 seconds, the surface was judged to be repellent to the test liquid.

*The oil repellency of the Thetapel LP-C306 treated leathers achieved repellency of a 2 rating.*

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