



Flexipel™ HR-S200

Non-fluorinated Repellent and Protector for Textiles

Overview

- Water repellent & protector for textiles and leather
- Provides stain release & cleanability
- Water Repellency of 3 to 4 with ambient cure
- Water Spray Repellency rating: 70 to 75 on cotton, polyester, & blends with ambient cure

Applications

- After-market water repellent & stain release product for textiles
- After-market water repellent & stain release product for leather

Technical Information

Flexipel HR-S200 is a solvent-based, water repellent & stain release after-market product for textile and leather surfaces.

Formulary

A loading level of 10-15 % (as sold) is recommended.

Do Not Aerosolize.
Never use a paint sprayer or other high-pressure equipment to apply this product.

Typical Properties*

PROPERTY	VALUE
Appearance	Clear liquid
Color	Colorless to light yellow
Odor	Hydrocarbon
Water solubility	Insoluble
% Actives	22 to 23
Density	0.86 to 0.90 g/ml
Boiling Point	>160°C (320°F)
Flash point	> 57°C (134°F)
Storage	Freeze/Thaw stable Storage for a flammable liquid
Shelf life	12 months

*Typical Properties do not represent specifications.

Packaging and Handling

Flexipel HR-S200 is available in: 55 gallon drums and 5 gallon pails.

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

DOT Classification: Flammable liquid, UN 1268 petroleum distillates, n.o.s., Hazard Class 3, Packing Group III.

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.

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Preparation of Test Fabric/Treatment

A treat rate of 2.5% actives on weight of fiber (owf) was used to prepare the test fabric. The Flexipel HR-S200 was applied uniformly to each test substrate, followed by ambient cure.

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

To evaluate the relative water repellency of a treated fabric, 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 fabric 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 control fabrics had a water repellency rating of 0.

Water Repellency: Spray Test (AATCC Test Method 22)

Water sprayed against a taut surface of a fabric test specimen under controlled conditions produces a wetting pattern whose size depends on the repellency of the fabric. Ratings range from 0 for complete wetting of the entire face of the specimen to 100 for no sticking or wetting of the specimen.

The control fabrics had a water repellency/spray test rating of 0.

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