



innovative chemical technologies, inc.

FLEXIPEL AM-99

TECHNICAL DATA SHEET

- ◆ **Water and Oil Repellent for Finished Leathers**
- ◆ **Partially Fluorinated Polymer**
- ◆ **Exceptional Oil, Water and Alcohol Repellency**
- ◆ **Readily Dilutes in Water: Meets All VOC Regulations**
- ◆ **Ambient Cure**
- ◆ **Little or No Effect On Appearance of Finished Leather**
- ◆ **Easy To Use: Spray or Wipe On and Allow to Dry**

TECHNICAL INFORMATION

Performance Data:

1 part of Flexipel AM-99 was diluted with 9 parts of water and wiped uniformly on a variety of finished leathers. Application rate was approximately 1.0 fluid ounces/square yard of fabric which was sufficient to evenly wet the fabrics. The fabrics were allowed to dry and cure overnight(24 hours).

Water/Alcohol Repellency Drop Test (DuPont Test Method)

- ◆ Repellency was measured by applying 3 drops of test liquid and observing wetting of the surfaces. If the drops were repelled for longer than 10 seconds the surface was judged to be repellent to that test liquid. Test liquids ranged from 2% Isopropyl Alcohol (1 rating) to 50% Isopropyl Alcohol (6 rating). The higher the concentration of Isopropyl Alcohol (higher number rating), the more repellent the surface.
- ◆ All fabrics repelled 50% Isopropyl Alcohol and were rated a 6 in water repellency.

Oil Repellency Drop Test (AATCC Test Method 118-1989)

- ◆ Repellency was measured by applying 3 drops of test liquid and observing wetting of the surfaces. If the drops were repelled for longer than 30 seconds the surface was judged to be repellent to that test liquid. Test liquids ranged from mineral oil (1 rating) to Decane (6 rating). The higher the number test liquid the more repellent the surface. Decane (6 rating) is more difficult to repel than Dodecane (5 rating), which is more difficult than Tetradecane (4 rating) and so forth.
- ◆ All fabrics repelled at least a 4 oil and most repelled a 5 or a 6 oil with the average of all surfaces tested equal to 5.3 out of 6.

FORMULARY

<u>Ingredient</u>	<u>Wt %</u>
Water	90.0
Flexipel AM-99	10.0

- Add AM-99 to water and mix until uniform
- Wipe or spray on and allow to dry

TYPICAL PROPERTIES

Appearance	Off-White Aqueous Dispersion
Density @ 25C	1.03 +/- 0.02g/ml (8.6 lbs/gal)
pH (as is)	3.5-6
Water Solubility	Dispersible
Boiling Point	100C

PACKAGING/HANDLING

Flexipel AM-99 is available in totes (Net Wt. 2200 lbs),
55 gallon drums (Net Wt. 440 lbs) and 5 gallon pails (Net Wt. 40 lbs).
DOT Classification is Non Regulated.

**Note: Be sure to review ICT's Flexipel AM-98
designed specifically for nubuck/unfinished leathers.**