



innovative chemical technologies, inc.

## **FLEXISURF LRS**

### **TECHNICAL DATA SHEET**

- ◆ **Produces Streak-Free VOC-Free Glass And Multi-Surface Cleaners**
- ◆ **Fast Evaporation Without Solvents, Glycols Or Ammonia**
- ◆ **Formulate Non-Flammable Concentrates That Dilute Up To 400:1**
- ◆ **Formulate VOC Free RTU And Concentrated Glass And Multi-Surface Cleaners At Extremely Low Cost (3 Cents Per Gallon)**
- ◆ **Ultra Low Odor**
- ◆ **Safe For Use On: Glass, Ceramics, Stainless Steel, Acrylics, Painted Surfaces, Polystyrene, ABS And Polycarbonate**
- ◆ **Provides Effective Cleaning And Streak Free Performance**
- ◆ **Simplified Manufacturing Reduces Labor Costs**
- ◆ **Eliminates Inventory Of Flammable And Volatile Solvents Minimizing Manufacturer And End-User Liability**
- ◆ **Concentrated Glass And Multi-Surface Cleaners Can Be Sent Out As Non-Flammable Dramatically Reducing Shipping Cost**
- ◆ **WERCS ID number: WPS1531885**  
**WERCS Validation number: WPS1531885**

## **APPLICATIONS**

- ◆ **Ready-To-Use Glass And Multi-Surface Cleaners**
- ◆ **Highly Concentrated Non-Flammable Glass And Surface Cleaners**
- ◆ **Oil-Free Non-Streaking Stainless Steel Cleaners**
- ◆ **Multi-Surface Cleaners**

## **TECHNICAL INFORMATION**

- ◆ Flexisurf LRS should be used at 0.25% - 1.0% at the point of application (RTU). Use levels above 1.0% may streak.
- ◆ Flexisurf LRS is compatible with fragrance. The use of 100% fragrance oil is recommended to minimize streaking that can be caused by pre-dispersed fragrance oils. Add the fragrance oil directly to the Flexisurf LRS prior to mixing with water. Approximately 0.20 – 0.25% fragrance oil by weight of Flexisurf LRS can be added.
- ◆ Flexisurf LRS has an inherent ability to disperse hard water ions and will perform exceptionally in varying water hardness. However, if poor performance is observed, the use of a small amount of chelating agent may be required for optimal performance.
- ◆ Flexisurf LRS is compatible with glycol ethers, alcohols, glycols, ammonia, acetic acid, and many other solvents.
- ◆ Flexisurf LRS will freeze. Freezing does not degrade the performance; however, product should be thawed & mixed prior to use.
- ◆ IPA, ethanol & methanol can be used if a lower freezing point is desired.
- ◆ Deionized or softened water is recommended for dilution.

## FORMULARY

- ◆ Formulations are expressed as % by weight
- ◆ Add ingredients in order listed
- ◆ Deionized or softened water is recommended
- ◆ Add Dyes, Fragrance & Preservative as desired or needed

### DILUTABLE CONCENTRATES

Flexisurf LRS should be used at 0.25% - 1.0% as received at the point of application (RTU). Use levels above 1.0% may streak. Optimal Performance has been observed at 1.0%.

10%	Flexisurf LRS:	Use Dilution: 10 - 40:1
25%	Flexisurf LRS:	Use Dilution: 25 - 100:1
100%	Flexisurf LRS:	Use Dilution: 100 - 400:1

### READY TO USE GLASS AND SURFACE CLEANERS

#### RTU Economy Glass & Surface\*

Flexisurf LRS	0.25 - 0.75%
Fragrance Oil	0.005 - 0.015%
Dye	0.005%
Water (D.I.)	QS

**\*Raw Material Cost: 3-9 cents/gallon**

#### RTU Premium Glass & Surface\*\*

Flexisurf LRS	0.75 - 1.0%
Fragrance Oil	0.015- 0.020%
Dye	0.005%
Water (D.I.)	QS

**\*\*Raw Material Cost: 9-12 cents/gallon**

## **TYPICAL PROPERTIES**

Appearance	Clear, Light Amber Liquid
pH	7.5 +/- 1.0
Density @ 20C	1.04 g/ml +/- 0.02
Water Solubility	Soluble
Odor	Mild

## **PACKAGING/HANDLING**

Flexisurf LRS is available in 275 gallon totes (Net Wt. 2250 lbs), 55 gallon drums (Net Wt. 450 lbs), 5 gallon pails (Net Wt. 40 lbs) DOT Classification is Non Regulated  
Refer to Safety Data Sheet (SDS) for additional information.