



innovative chemical technologies, inc.

Flexiclean™ LSCN

TECHNICAL DATA SHEET

- ◆ **Unique dispersant polymer and surfactant system with enzymes used to produce ready to use laundry pre-spotters**
- ◆ **Readily dilutes in water to create economical finished formulations**
- ◆ **Provides exceptional removal of stubborn soils including foodstuffs, blood, grass, red clay, body oils, and other common laundry stains with comparable performance to national brands**
- ◆ **Contains a proprietary enzyme technology to accelerate soil removal**
- ◆ **Can be used alone or with additional detergent boosters, builders, and viscosity modifiers**
- ◆ **WERCS ID number: WPS1198614**
WERCS Validation number: WPS1198614

Applications

- ◆ **Commercial and retail laundry pre-spotter treatments**

Soil Removal Evaluations

In the photos below, ASTM Standard 4265 was used to produce a series of standardized, stained test fabrics (100% cotton). Individual stains included aged beef blood, grass, and red clay. Equal amounts of laundry pre-spotting agents based on Flexiclean LSCN, as well as a Leading National Retail Brand, were applied to each stained test fabric via pipet and allowed to dwell for 5 minutes. For each stain, a control sample was included that had no pre-spotting agent applied. After the 5 minutes exposure, samples were individually placed into a standard laundry detergent solution and agitated for fifteen minutes. The samples were rinsed with equal volumes of warm water and allowed to dry at ambient temperature for 24 hours. The dried cleaned samples were photographed and are pictured below. In each case, the stained fabric that was pre-spotted with the Flexiclean LSCN based pre-spotter out performed the leading national brand.

Note: The clean fabric was white.



Formulary

<u>Ingredient</u>	<u>Weight %</u>
Flexiclean LSCN	5.0 - 10.0%
Glycol Ether EB	2.0%
Na ₄ EDTA (38 - 40%)	1.0%
Polymeric Thickener	2.0%
Preservative	0.05 - 0.10%
Water	QS
pH	8.0 +/- 0.5

- The above formulation is a starting point and may be modified as desired.
- The final pH of the formulation should be close to 8.0 to optimize cleaning performance.
- Viscosity will increase the performance of the finished formulation as well as increase the shelf life.
- All formulations should be checked for long term stability.
- Addition of a preservative is recommended.
- Add dye and fragrance as needed.
- **Do Not Aerosolize or Atomize**

Typical Properties

Appearance	Clear to hazy, light amber liquid
Density @ 25°C	1.05 +/- 0.02 g/ml (8.84 lbs./gal.)
pH (as is)	4.0 to 5.0
Water Solubility	Soluble
Boiling Point	Approx. 100°C
Shelf Life	1 year

Packaging and Handling

Flexiclean LSCN is available in 275 gallon totes (Net Wt. 2300 lbs), 55 gallon drums (Net Wt. 460 lbs), and 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 is Non-Regulated.

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