

# LENOSPIN™ SDS-85

## CLASSIFICATION

A concentrated liquid nonionic cohesive agent for hair and synthetic fiber processing

## PROPERTIES

<b>Appearance</b>	Straw colored slightly hazy liquid
<b>Solubility (5%)</b>	Opalescent solution in water
<b>Density</b>	8.5 lbs/gallon
<b>pH</b>	8.8

## GENERAL COMMENTS

**LENOSPIN™ SDS-85** is a nonionic cohesive agent, derived from natural components, designed for use in processing wool, mohair, alpaca and other hair and synthetic fibers, including nylon, acrylic, polyesters, rayon, polypropylene and blends. This product is non-toxic, non-corrosive, and biodegradable and provides outstanding fiber-to-fiber cohesion.

**LENOSPIN™ SDS-85** is often used in conjunction with lubricant processing oils, **Syntholube™ RT-8** that give the internal cohesion needed.

## APPLICATIONS

We recommend the application of **LENOSPIN™ SDS-85** at levels ranging from 1.0-4.0% on weight of fiber(owf) depending on the stock and the blends being processed.

### Course Wool

1.0-2.0% owf of **LENOSPIN™ SDS-85** and 2.0-4.0% **SYNTHOLUBE RT-8** on weight of fiber(owf) for a total add-on of 5.0-6.0% owf, cut in 19-22% water.

### Medium Counts

3.0% owf **LENOSPIN™ SDS-85** and 3.0% owf **SYNTHOLUBE™ RT-8** cut in 19-22% water.

### Fine Counts (*Mohair, cashmere, Alpaca, Camel*)

3.5-4.5% owf **LENOSPIN™ SDS-85** and 1.5-2.5% owf **SYNTHOLUBE™ RT-8** for a total add on of 5.0-6.0% owf, cut in 19-22% water.

## Preparation and Lubricant System

### *Scouring*

For normal scouring of wool and other hair fibers, prepare the following:

- Use 2½ ounces of **ECCOSCOUR™ WA-305** per gallon of water
- Scour at 120-180°F (50-85°C)(the hotter the better) for 30-45 minutes.
- Rinse once with warm water and once with cold water.
- For very greasy stocks, scour twice-using 2 oz/gal of **ECCOSCOUR™ W-305**.

### *Lubricant*

Refill washer with warm water, then add 2 ounces per gallon of **SYNTHOLUBE™ RT-8**.

Process for 10-15 minutes, drain water, **DO NOT RINSE.** Dry stock.

### *Overspray*

*Alpaca, Mohair, Angora and Fine Wools:*

<b>SYNTHOLUBE™ RT-8</b>	2 lbs/100 lbs of stock
<b>LENOSPIN™ SDS-85</b>	3 lbs/100 lbs of stock
<b>WATER</b>	17-22 lbs/100 lbs of stock

*Medium Count Wool:*

<b>SYNTHOLUBE™ RT-8</b>	2.5 lbs/100 lbs of stock
<b>LENOSPIN™ SDS-85</b>	2.5 lbs/100 lbs of stock
<b>WATER</b>	17-22 lbs/100 lbs of stock

*Course or Rug Wools:*

<b>SYNTHOLUBE™ RT-8</b>	3 lbs/100 lbs of stock
<b>LENOSPIN™ SDS-85</b>	2 lbs/100 lbs of stock
<b>WATER</b>	17-22 lbs/100 lbs of stock

Overspray and let stand for a minimum of 8 hours before carding for wool to condition.

### *Wool Protector*

**ECCO™ WOOL PROTECTOR TO MOD** – 1-2 lbs/100 lbs of fiber. Adjust pH to 5.0 ± 0.5 with acetic, citric or formic acid.