

# Technical Data Sheet

## Cola®Lux SO



**INCI NAME** Stearamine Oxide  
**CAS NUMBER** 2571-88-2  
**LISTINGS** US (TSCA), Canada (DSL), Australia (AICS), Japan (ENCS), Philippines (PICCS), New Zealand (NZIoC), China (IECSC)

### DESCRIPTION

Cola®Lux SO is a 25% active stearamine oxide. Cola®Lux SO is an excellent conditioning agent with conditioning properties comparable to quaternary ammonium compounds. Cola®Lux SO is slightly water soluble and solubility can be enhanced by blending with anionic surfactants to offer a clear formulation. Cola®Lux SO is an effective viscosity builder and useful in creating pleasing shampoo and hair rinse products. Cola®Lux SO is also gentle to both skin and eyes, causing no dermal or ocular irritation at 5% or less active use.

### APPLICATION

#### Functional Properties

- Effective Emulsifier
- Detergent
- Antistat
- Softener
- Foam Stabilizer
- Viscosity Builder
- Emollient
- Gentle Cationic Conditioner

#### End Use Properties

##### Personal Care

- Shampoos
- Hand Soaps
- Bath products
- Creams and lotions
- Hair conditioners

##### Industrial

- Dishwashing detergents
- Cleansers
- Hard surface cleansers (containing acids or bleach)
- Concentrated Electrolyte Systems

### TYPICAL PROPERTIES

Appearance at 25°C	Opaque Paste
pH (1% aqueous)	6.0 – 8.0
% Amine Oxide	24.5 – 26.5
% Free Amine	1.0 Max.
% Free Peroxide	0.2 Max.
Color, Gardner @ 70°C	2 Max.

### STORAGE AND HANDLING

Normal safety precautions (i.e. gloves and safety goggles) should be employed when handling Cola®Lux SO. Contact with the eyes and prolonged contact with the skin should be avoided. Wash thoroughly after handling material. It is recommended that Cola®Lux SO be stored in sealed containers and kept at temperatures not lower than 50°F (10°C) nor higher than 120°F (49°C). Avoid overheating or freezing. A Safety Data Sheet is available upon request.

### PACKAGING

Cola®Lux SO is shipped in 55 gal. open-head poly drums (450 lbs./204 kgs. net).

## Colonial Chemical, Inc.

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