



# Colonial SOS

Sodium Octyl Sulfate

**INCI NAME** Sodium Octyl Sulfate  
**CAS NUMBER** 142-31-4  
**LISTINGS** USA (TSCA), Canada (DSL), Australia (AICS), Japan (MITI), Korea (KECI), China (IECSC), Philippines (PICCS), New Zealand (NZIOC), Taiwan (NECI)

**Colonial SOS** is a highly biodegradable wetting agent that is stable under varying conditions of pH and temperature. The rapid wetting and low foam characteristics of Colonial SOS recommend it for applications such as:

- Fire extinguishing foam agent
- Mercerizing agent for textiles
- Surfactant in electrolyte baths for metal cleaning
- Wetting agent for hard surface cleaning

In the mercerizing of grey cotton goods, Colonial SOS wets efficiently and remains stable in the 20-25 & caustic solutions generally used for this purpose. At levels of 1% surfactant, Colonial SOS demonstrates wetting times of 6.8 seconds in 20% NaOH and 8.2 seconds in 25% NaOH. These figures represent the sinking time for a standard bundle of cotton in a caustic solution of mercerizing strength.

Used as a rinse aid, Colonial SOS helps dishes and glassware to drain completely, reducing spots and streaks. The low foaming characteristics of Colonial SOS permit its use in automatic dishwashers or other mechanical cleaning devices where rapid agitation occurs.

## SPECIFICATIONS

Appearance	Clear, Off-White Liquid
% Alkyl Sulfate	32.0 – 34.0
pH (10% Solution)	7.0 – 9.0
Specific Gravity @ 25°C	1.04 – 1.08
Viscosity (Rv #2 @ 50 RPM @ 25°C)	100 Max.

## STORAGE / HANDLING

Colonial SOS should be stored in closed containers. Colonial SOS is shipped in poly 55-gal drums, net weight 450 lbs (204.1 kg). Shelf life is 12 months from date of manufacture. A Safety Data Sheet is available at [www.colonialchem.com](http://www.colonialchem.com).

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