



# Colonial AOS-40 UP

Alpha Olefin Sulfonate

**INCI NAME** Sodium C14-16 Olefin Sulfonate  
**CAS NUMBER** 68439-57-6  
**LISTINGS** USA (TSCA), Canada (DSL), EU (REACH), Australia (AICS), Japan (MITI), China (IECSC/IECIC), Philippines (PICCS), New Zealand (NZIOC), Taiwan (NECI)

**Colonial AOS-40 UP** is a pale yellow 40% aqueous solution of sodium C14-16 alpha olefin sulfonate. Colonial AOS-40 UP combines the advantages of high foaming power, good emulsification, mildness to the skin, and excellent lime soap dispersion to give the formulator maximum flexibility in the preparation of light and heavy-duty cleaners. It is also suitable for use in acidic formulations such as those containing alpha hydroxyl acids or salicylic acid.

Colonial AOS-40 UP is perfect for **sulfate-free** personal care and detergent products.

This grade of AOS is self-preserved by higher pH.

## APPLICATIONS

- Economical and high-performing sulfate-free, biodegradable shampoos
- Hand soaps and shower gels
- Car washing compounds
- Light-duty liquid detergents
- Heavy-duty laundry detergents

## BENEFITS

- Excellent cost/performance characteristics and foam properties
- Improved mildness over lauryl sulfates
- Excellent viscosity and foam characteristics
- More stable than alcohol sulfates over a broad pH range
- Fully compatible with other anionic, amphoteric and nonionic surfactants
- Whole Foods Market® Eco-Scale™ ingredient
- Preservative-free

## TYPICAL PROPERTIES

Appearance	Clear Liquid
pH, 10% aqueous	11.0
Active, %	39.0
Color (APHA, 5% active)	125 Max.
Unulfonated matter, %	1.8 Max.

## TOXICITY

### Acute Skin Irritation

48-Hour Occlusive skin patch test on 53 Test Subjects (10.0% active solution)

- 53/53 showed no visible skin reaction (0) at 48 and 72 hrs.

Readily biodegradable per OECD 301 methods. This product meets the criteria for a surfactant under the EU Detergents Regulation (EC) 648/2004.

## STORAGE / HANDLING

Store at temperatures between 50°F to 100°F. Avoid excessive heat and cold. Material will freeze and form a solid gel on the bottom of storage containers. Warming and strong agitation is needed to reconstitute the material. Shipped in poly 55-gal drums, net weight 450 lbs (204.1 kg). Shelf life is 24 months from manufacture date. A Safety Data Sheet is available at [www.colonialchem.com](http://www.colonialchem.com).

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