



Colonial AOS-40

Alpha Olefin Sulfonate

INCI	Sodium C14-16 Olefin Sulfonate
CAS	68439-57-6
LISTINGS	USA (TSCA), EU (REACH), Canada (DSL), Australia (AICS), Philippines (PICCS), New Zealand (NZIoC), Korea (KECI), China (IECSC - IECIC), Taiwan (NECI)

Colonial AOS-40 is a pale yellow 40% aqueous solution of sodium C14-16 alpha olefin sulfonate. Colonial AOS-40 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 is perfect for **sulfate-free** personal care and detergent products.

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

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.

TYPICAL PROPERTIES

Appearance	Clear Liquid
pH, 10% aqueous	7.0
Active, %	39.0
Color (KLETT, 5% active)	100 Max.
Unulfonated matter, %	1.25 Max.

FORMULATION *Liquid Skin Cleanser*

INGREDIENT	%
1 Water	qs to 100.00
2 Colonial AOS-40	25.00
3 Cola®Teric COAB	10.00
4 Cola®Liquid DC	4.00
5 Citric Acid	qs to pH 5.5
6 Fragrance	qs
7 Preservative	qs
8 Sodium Chloride	0.40

Procedure:

Combine ingredients in order with good mixing.

Procedure:

Appearance: Clear pH: 5.5 Viscosity: 8,000 cps

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. Shelf life is 24 months from date of manufacture. Safety Data is available at www.colonialchem.com.

Colonial AOS-40 is shipped in poly 55-gal drums, net weight 450 lbs (204.1 kg).

Colonial Chemical

225 Colonial Drive · South Pittsburg, TN 37380

www.colonialchem.com

Innovative Specialty Surfactants