



# Colonial ALES-60

CTFA/INCI NAME: Ammonium Laureth Sulfate

## DESCRIPTION

**Colonial ALES-60** is a biodegradable linear fatty alcohol ether sulfate. Colonial Chemical's process minimizes salt and free alcohol content, eliminates the presence of chlorides and permits more consistent control of viscosity. It is a clear liquid of exceptionally light color and good odor. **Colonial ALES-60** is mild with excellent detergent and foaming properties in hard and soft water and is compatible with other anionics, nonionics, and alkaline builders. **Colonial ALES-60** is not recommended in alkaline systems since ammonia is liberated above pH 7.

## TYPICAL PROPERTIES

Appearance @ 25°C	Clear liquid	Free Oil, %	2.10
pH (10% Solution)	7.3	Alcohol Insolubles, %	0.20
Actives (MW 436), %	58.9	Pour Point, °C(°F)	4(39)
Cloud Point (as is), °C(°F)	6(43)	Color (Klett), 5% active	41
Viscosity, cps @ 25°C	66	Flash Point (PMCC), °C(°F)	23(74)
Viscosity, cps @ 60°C	19	Density, g/ml(lbs/U.S. gal)	1.01(8.45)

## APPLICATIONS

**Colonial ALES-60** is used in high foaming dishwashing detergents and many industrial cleaners. The physical properties of this surfactant suggests many other applications such as shampoos, liquid detergents, foaming agents, heavy duty alkaline cleaners, emulsifiers, textile mill bleach assistants, and neutral and alkaline scouring. Foam stability in the presence of soap is much improved over other anionics, therefore **Colonial ALES-60** is recommended for bubble baths and cleaning products containing soap as an ingredient.

## TOXICITY

**Colonial ALES-60** is practically non-toxic and it causes moderate skin and moderate eye irritation at 15% solution.

## STORAGE AND HANDLING

Normal safety precautions (i.e. gloves and safety goggles) should be employed when handling **Colonial ALES-60**. Contact with eyes and prolonged contact with skin should be avoided. Wash thoroughly after handling material.

Colonial Chemical recommends that **Colonial ALES-60** be stored in sealed containers and kept in a well ventilated, cool, dry area away from sparks, fire, and open flame. Avoid overheating or freezing. Equipment should be grounded when transferring or using material.

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**WARRANTY**

Colonial Chemical guarantees that its products meet published specifications. No other warranties or guarantees are expressed or implied because the use of this material is beyond the control of Colonial Chemical.

**Colonial Chemical, Inc.**

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