

Material Safety Data Sheet

Colonial ALES-60

Colonial Chemical, Inc.
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S.Pittsburg, TN 37380

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Emergency Telephone #
423/837-8800
Chemtrec 800/424-9300

SECTION I – PRODUCT INFORMATION

Product Name:	Colonial ALES-60	File: ALES-60
Product Class:	Alcohol ethoxy sulfate	
Hazard Rating (HMIS):	Health – 2	Flammability – 3 Reactivity – 0
Direct Phone:	423/837-8800	

THE CHEMTREC NUMBER IS TO BE CALLED ONLY IN THE EVENT OF CHEMICAL EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT INVOLVING CHEMICALS.

SECTION II – HAZARDOUS INGREDIENTS

Ingredients	CAS #	Weight %
Ammonium Lauryl Ether Sulfate	032612-48-9	60
Ethanol	64-17-5	13-15

SECTION III – PHYSICAL DATA

Appearance:	Clear liquid
Boiling Point:	190° F, 87.8°C
Specific Gravity:	1.016
% Volatile by Weight:	40 %
Vapor Pressure:	Not determined
Vapor Density:	Estimated heavier than air
Viscosity:	66 cps @ 25° C
Evaporation Rate:	Estimated slower than ethyl ether
RVOC:	14% (Ethanol)
Pour Point:	39°F
pH (10% Aqueous):	7.3
Freezing Point:	34° F, 1.1° C
Weight Per Gallon:	8.45 lbs.

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point:	82° F / 27.8° C, PMCC
Extinguishing Media:	Dry chemical, foam, water fog, CO ₂ . Use water to cool fire-exposed containers and to protect personnel.
Fire Fighting Equipment/Instructions:	Firefighters should wear full protective clothing including self-contained breathing apparatus
Fire and Explosion Hazards:	Slight fire hazard

SECTION V – REACTIVITY DATA

Stability:	Stable under normal conditions
Hazardous Polymerization:	Will not occur
Incompatibility (Materials to Avoid):	This product may react with strong oxidizing agents or strong acids.

SECTION V – REACTIVITY INFORMATION (CONTINUED)

Hazardous Decomposition Products: Oxides of sulfur, carbon, nitrogen and ammonia
 Conditions To Avoid: Keep away from heat, ignition sources and incompatible materials.

SECTION VI – HEALTH HAZARD DATA

Emergency Overview: FLAMMABLE. May cause irritation to eyes, skin, and respiratory system. May cause severe irritation or burns to the eyes and skin.

Effects of Overexposure:

Eyes – May cause irritation to the eyes.

Skin – May cause irritation to the skin. Prolonged or repeated contact with this product may dry and/or defat skin.

Inhalation – High vapor or aerosol mist concentrations may be irritating to the nose, throat and upper respiratory tract. High vapor concentrations may cause central nervous system effects. Effects may include headaches, dizziness, drowsiness, anesthetic and may have other central nervous system effects. This product is irritating to the respiratory system.

Ingestion – Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

First Aid:

Eye Contact – Immediately flush with copious amounts of water for at least 15 minutes holding eyelids open. Consult physician immediately.

Skin Contact – Immediately flush with copious amounts of soap and water for at least 5 minutes. If irritation persists, contact physician. Launder contaminated clothing before reuse.

Ingestion – Contact Poison Control Center or physician immediately.

Do not induce vomiting or give anything by mouth to an unconscious person.

Inhalation – If inhaled remove to fresh air or remove source of contamination.

If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. If symptoms persists, get medical attention.

SECTION VII – SPECIAL PROTECTION INFORMATION

Exposure Guidelines:
Ethanol CAS # 64-17-5

ACGIH 2000 – Time Weighted Averages

1000 ppm TWA

NIOSH – Health Standards – Exposure Limit

1000 ppm TWA; 1900 mg/m³ TWA

NIOSH – Health Standards – Health Effects and Precautions

Eye, respiratory, and skin irritation; teratogenic and reproductive effects

NIOSH 1997 – Pocket Guide – IDLHs

3300 ppm IDLH (10% lower explosive unit)

NIOSH 1997 – Pocket Guide – Target Organs

Respiratory system, skin, eyes, CNS, liver, blood, reproductive system

NIOSH 1997 – Pocket Guide – TWAs

1000 ppm TWA; 1900 mg/m₃ TWA

OSHA – Final PELs – Time Weighted Averages

1000 ppm TWA; 1900 mg/m₃ TWA

Respiratory Protection: If vapors are present, use NIOSH or MSHA approved respirator
 airline respirator or a self-contained breathing apparatus.

SECTION VII – SPECIAL PROTECTION INFORMATION (CONTINUED)

Ventilation:	Use local exhaust ventilation. Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.
Eye Protection:	Chemical goggles or full-face shield
Protective Gloves:	Impervious type
Other Protection:	Wear protective clothing to prevent skin contact. Eyewash and safety showers in work area.

SECTION VIII – SPECIAL PRECAUTIONS

Handling: Wash thoroughly after handling. Avoid contact with eyes and skin. Remove contaminated clothing and launder before reuse.

Storage: Keep container closed when not in use. Keep this material in a cool, well-ventilated place. Do not handle or store near an open flame, heat or other sources of ignition. Prevent electrostatic charge buildup by using common bonding and grounding.

Other Precautions: Spilled material is quite slippery on all surfaces.

Spill and Leak Procedures: Isolate spill or leak area immediately. Eliminate ignition sources of electrical, static, or frictional sparks. All equipment used when handling the product must be grounded. Absorb spill with inert material. Shovel material into appropriate container for disposal. Flush area with water to remove trace residue. Do not allow the spilled product to enter public drainage system or open watercourses. Ventilate the contaminated area.

SECTION IX – REGULATORY INFORMATION

- All ingredients listed in TCSA, DSL, EINECS/ ELINCS/Polymer/NLP, ECL, and AICS inventory. There is no calculable reportable quantity (RQ) for this product.
 - SARA TITLE III-SECTION 312,313: Ethanol
 - California Proposition 65 – Development Toxicity: Ethanol, developmental toxicity (when in alcoholic beverages); initial date 10/1/87.
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SECTION X – WASTE DISPOSAL

Waste Disposal Method: In accordance with local, state and federal regulations.

SECTION XI – TRANSPORTATION INFORMATION

Proper Shipping Name:	Flammable Liquid, N.O.S.
DOT Hazard Class:	3
Packing Group:	III
ID Number:	UN 1993

SECTION XII – TOXICOLOGICAL INFORMATION

CARCINOGENICITY: No information available for this product.

- Ammonium Laureth (n =>3) sulfate CAS # 32612-48-9
 - NIOSH – Selected LD50s and LC50s: Oral LD50 rat: 630 mg/kg
 - Ammonium sulfate CAS # 7783-20-2
 - NIOSH – Selected LD50s and LC50s: Oral LD50 rat: 2840 mg/kg
Oral LD50 Mouse: 640 mg/kg
 - Ethanol CAS # 64-17-5
 - ACGIH 2000 – Carcinogens A4 – Not classified as a human carcinogen
 - NIOSH – Selected LD50s and LC50s: Inhalation LC50 rat: 20,000 ppm/10H
Inhalation LC50 mouse: 39 gm/m³/4H
Oral LD50 rat: 7060 mg/kg
Oral LD50 mouse: 3450 mg/kg; 20000
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The above data is for information purposes only and is accurate to the best of Colonial Chemical, Inc.'s knowledge. No guarantees or liabilities are expressed or implied.

HEALTH	2
FLAMMABILITY	3
REACTIVITY	0
PERSONAL PROTECTION	B

REVISED 7-24-2006/J.STAFFORD