### SECTION 1 – IDENTIFICATION

<table>
<thead>
<tr>
<th>GHS Product Identifier</th>
<th>Trade Name: Colonial ALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS Number:</td>
<td>2235-54-3</td>
</tr>
<tr>
<td>EINECS Number:</td>
<td>218-793-9</td>
</tr>
<tr>
<td>Uses of the Substance / Mixture:</td>
<td>Surfactant for various applications</td>
</tr>
<tr>
<td>Formula:</td>
<td>N/A</td>
</tr>
<tr>
<td>Description:</td>
<td>Ammonium Lauryl Sulfate</td>
</tr>
<tr>
<td>Company Name:</td>
<td>Colonial Chemical, Inc.</td>
</tr>
<tr>
<td>Company Address:</td>
<td>P.O. Box 111, South Pittsburg, TN 37380 USA</td>
</tr>
<tr>
<td>Phone Number:</td>
<td>(P) 423.837.8800 (F) 423.837.3888</td>
</tr>
<tr>
<td>Emergency Phone Number:</td>
<td>Colonial Chemical: 423.837.8800 Chemtrec: 800.424.9300</td>
</tr>
</tbody>
</table>

### SECTION 2 – HAZARDOUS IDENTIFICATION

**Classification:**
- **Classification (Regulation (EC) No 1272/2008)**
  - Skin Irritation, Category 2: H315 Causes skin irritation
  - Eye Damage, Category 1: H318 Causes serious eye damage
- **Classification (67/548/EEC, 1999/45/EC)**
  - R36 Causes skin irritation
  - R41 Risk of serious damage to eyes

**Label Elements:**
- Hazardous products which must be listed on the label:
  - None

**Globally Harmonized System of Classification and Labeling of Chemicals (GHS)**
- **Pictogram:**
  - [Image of pictogram]
- **Signal Word:** Danger
- **Hazard Statements:**
  - H315 Causes skin irritation
  - H318 Causes serious eye damage
- **Precautionary statements:**
  - **Prevention**
    - P264 Wash skin thoroughly after handling
    - P280 Wear protective gloves/eye protection/face protection
  - **Response**
    - P302 + P352 IF ON SKIN: Wash with plenty of soap and water
    - P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
    - P308 IF exposed or concerned: P310 Immediately call a POISON CENTER or doctor/physician.
  - **Storage**
    - P404 Store in a closed container
    - P420 Store away from strong oxidizing agents and reducing agents
  - **Disposal**
    - P501 Dispose of contents/container in accordance with local, regional, national and/or international regulations.
SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Chemical nature: Surfactant

Information on Components and Impurities

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Identification No.</th>
<th>GHS Classification</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric acid, monododecyl ester, ammonium salt (1:1)</td>
<td>CASRN: 2235-54-3, EINECS: 218-793-9</td>
<td>H315: Causes skin irritation, skin irritation category 2, H318: Causes eye damage, eye damage category 1</td>
<td>27 - 30</td>
</tr>
<tr>
<td>Water</td>
<td>CASRN: 7732-18-5</td>
<td>None</td>
<td>50 - 100</td>
</tr>
<tr>
<td>Alcohols C12-16</td>
<td>CASRN: 6855-66-1, EINECS: 272-490-6</td>
<td>None</td>
<td>&lt; 1</td>
</tr>
</tbody>
</table>

SECTION 4 – FIRST AID MEASURES

Description of necessary first-aid measures

General advice: Show this safety data sheet to the doctor in attendance. First aider needs to protect himself/herself. Place affected clothing in a sealed bag for subsequent decontamination.

Inhalation: Remove victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.

Skin contact: In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing and shoes. If skin irritation continues: Get medical attention.

Eye contact: In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If present and easy to do, remove contacts. If eye irritation persists, consult a physician.

Ingestion: Do NOT induce vomiting without medical advice. Drink water as a precaution. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

SECTION 5 – FIREFIGHTING MEASURES

Extinguishing media
Suitable extinguishing media: CO2, Dry Chemical, BC/ABC Extinguishers

Special hazards arising from the substance or mixture
Specific hazards during firefighting: On combustion forms carbon monoxide, carbon dioxide, potassium oxide

Advice for firefighters
Special protective equipment: Self-contained breathing apparatus (EN 133), Full protective suit

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Wear suitable protective equipment. Do not touch damaged containers or spilled material unless wearing suitable protective clothing.

Methods for Cleaning or Taking Up
SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal.
LARGE SPILLS: Dike far ahead of spill for later disposal. To avoid gelling and foaming problems, do not use water to flush to industrial sewer. Spills may be reportable to local, state, federal and/or provincial authorities.

Additional advice
Prevent entry into waterways, sewers, basements or confined areas.

SECTION 7 – HANDLING AND STORAGE

Handling
Advice on safe handling and usage: Avoid contact with skin and eyes

Storage
Recommended: Store in original container. Store tightly closed. Store in an area between 10-30 °C

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>Value Type</th>
<th>Value</th>
<th>Update</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Components with workplace foreign control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>Value Type</th>
<th>Value</th>
<th>Update</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Control Measures
Engineering measures: Avoid splashes. Apply technical measures to comply with any occupational exposure limits when applicable.

Personal protective equipment
Respiratory protection: In the case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection: Wear appropriate gloves. In EU member states, gloves should satisfy the specification of EU Directive 89/686/EEC and the standard EN 374 derived from it. Please observe instructions provided by the glove supplier regarding permeability and breakthrough time. Also, take into consideration the specific local conditions under which the product is used, such as danger of cuts, abrasion and the contact time. Gloves must be inspected prior to use. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.


Skin and body protection: Wear appropriate clothing to avoid direct skin contact. Remove and wash contaminated clothing before wearing again.

Hygiene measures: Emergency equipment nearby and immediately accessible, with instructions for use. Ensure that eyewash stations and safety showers are close to the workstation location. Use clean, well-maintained personal protection equipment. Store the personal protection equipment in a clean location away from the work area. Contaminated work clothing should not be allowed out of the workplace. Before re-use, thoroughly clean personal protection equipment. Wash hands before breaks and immediately after handling the product. Shower or bathe at the end of working. When using the product do not eat, drink or smoke.

Protective measures: The protective equipment must be selected in accordance with current CEN standards and in cooperation with the supplier of the protective equipment. Selection of appropriate personal protective equipment should take into account the performance of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the potential hazards and/or risks that may occur during use.
SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Form: Liquid
Physical state: Liquid
Color: Clear water white to pale yellow
Odor: Characteristic
Odor Threshold: No data available

Safety data
pH 10% aqueous: 7.0
Pour Point: No data available
Freezing point: No data available
Boiling point/boiling range: No data available
Flash point: > 93°C
Flammability (solid, gas): No data available
Auto-ignition temperature: No data available
Water solubility: Soluble
Solubility in other solvents: No data available
Partition coefficient: Noctanol/water: No data available
Vapor pressure: 17 mm Hg
Evaporation rate: No data available
Relative vapor density: No data available
Density: 8.6 lbs/gal 25°C
Oxidation/Reduction Potential: No data available
Viscosity, dynamic: No data available
Viscosity, kinematic: No data available
Explosive properties: No data available
Thermal decomposition: No data available
Lower explosion limit: No data available
Upper explosion limit: No data available
% Volatile by weight: 70

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability
Stable at room temperature

Hazardous reactions
Conditions to avoid: Prolonged, excessive heat
Materials to avoid: Strong oxidizing agents, reducing agents

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute toxicity
Acute oral toxicity: No data available
Acute inhalation toxicity: No data available
Acute dermal toxicity: No data available
Other routes of administration: No data available
Aspiration toxicity: No data available

Skin corrosion/irritation
Skin irritation: May cause skin irritation

Serious eye damage/eye irritation
Eye irritation: May cause eye irritation

Respiratory or skin sensitization
Sensitization: No data available

Repeated dose toxicity
Repeated dose toxicity: No data available
STOT
STOT - single exposure: no data available
STOT - repeated exposure: no data available

Carcinogenicity
Carcinogenicity: no data available

Mutagenicity
Genotoxicity in vitro: no data available
Genotoxicity in vivo: no data available

Reproductive toxicity
Reproductive toxicity: no data available

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity assessment
no data available

Persistence and degradability
Biodegradability: no data available

SECTION 13 – DISPOSAL CONSIDERATIONS

Product Disposal
Advice on Disposal: Dispose of in accordance with local regulations.

SECTION 14 – TRANSPORTATION INFORMATION

DOT not regulated
ADR not regulated
RID not regulated
IMDG not regulated
IATA not regulated

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with your sales office.

SECTION 15 – REGULATORY INFORMATION

TSCA: Listed
EU (REACH): Pre-Registered
EU (EINECS): Listed
Canada (DSL): Listed
Australia (AICS): Listed
Philippines (PICCS): Listed
New Zealand (NZIoC): Listed
Korea (ECL): Listed
China (IECSC): Listed

Follow all regulations in your country or region. Colonial Chemical, Inc is unable to confirm all regulatory information in regard to the substances in your country or region, and this information is subject to change without notice.

SECTION 16 – OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.
H315 Causes skin irritation
H318 Causes serious eye damage
H319 Causes serious eye irritation

Full text of P-Statements referred to under sections 2 and 3.
P264 Wash skin thoroughly after handling
P273 Avoid release to the environment
P280 Wear protective gloves/ eye protection/ face protection
HEALTH 1
FLAMMABILITY 1
REACTIVITY 0
PERSONAL PROTECTION B

The information provided in this Safety Data Sheet is accurate to the best of Colonial Chemical, Inc.’s knowledge. No guarantees or liabilities are expressed or implied. Because users are most aware of the application of the product, they must ensure that proper personal protective equipment (PPE) is provided consistent with the information contained in the product SDS. This information is intended solely for the use of individuals trained in the particular hazard rating system. It does not release users from ensuring they are in conformity with all regulations linked to its activity.