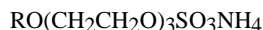


# Material Safety Data Sheet

## Ammonium Lauryl Ether Sulfate

### Section 1: Chemical Product and Company Identification

**Product Name:** Ammonium Lauryl Ether Sulfate  
**Chemical Name:** Ammonium Lauryl Ether Sulfate  
**Customs Tariff No:** 34021100  
**Synonym Name:**  
**Chemical Formula:**



#### Company Information:

**Chemtrade International**  
Rm. 201, Unit 3, Building 8, Shijia Garden, No. 93,  
Xiangjiang Road, Qingdao Development Zone,  
Qingdao, Shandong, China 266555  
**Tel:** 0086-532-86893005  
**Fax:** 0086-532-86893005

### Section 2: Composition and Information on Ingredients

#### Composition:

Name	CAS No.	EINECS No.	%by weight
Ammonium Lauryl Ether Sulfate	32612-48-9		70

### Section 3: Hazards Identification

#### Emergency Overview

Clear liquid, pale yellow color.

May cause moderate irritation to the eyes. May cause moderate irritation to the skin. May cause irritation to the respiratory system.

#### Health Effects: Eyes

Causes moderate eye irritation.

#### Health Effects: Skin

Causes moderate skin irritation.

#### Health Effects: Inhalation

Inhalation of vapors or mists of the product may be irritating to the respiratory system.

#### Health Effects: Ingestion

Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

### Section 4: First Aid Measures

#### Eyes

Immediately flush eyes with water for at least 15 minutes while holding eyelids open. If irritation persists get medical attention.

#### Skin

For skin contact flush with large amounts of water. If irritation persists, get medical attention Immediately take off all contaminated clothing. Wash contaminated clothing before reuse.

#### Inhalation

If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms persist, get medical attention. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

#### Ingestion

If ingestion of a large amount does occur, seek medical attention. Do not induce vomiting.

### Section 5: Fire and Explosion Data

**Flash Point** (> 93.9 °C), > 201 F PMCC

#### Extinguishing Media

Use appropriate methods for combating the surrounding fire.

#### Fire Fighting Equipment / Instructions

Firefighters should wear full fire-fighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

### Section 6: Accidental Release Measures

## SPILL AND LEAK PROCEDURES

### Emergency Action:

Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

Do not touch or walk through spilled material. Stop leak if you can do it without risk. Wear appropriate personal protective equipment during cleanup. Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Large Spills: Dike ahead of liquid spill for later disposal. Prevent entry into waterways, sewers, basements or confined areas.

Surfaces may become slippery after spillage.

## Section 7: Handling and Storage

### Handling Procedures

Avoid contact with skin and eyes. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

### Storage Procedures

Avoid freezing or excessive heat. Keep the container tightly closed and in a cool, well-ventilated place.

## Section 8: Exposure Controls/Personal Protection

### Engineering Controls

Use general ventilation. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

### Personal Protective Equipment: Eyes/Face

Wear chemical goggles; face shield (if splashing is possible).

### Personal Protective Equipment: Skin

Wear suitable protective clothing. Use impervious gloves.

### Personal Protective Equipment: Respiratory

If vapors are present or irritation is experienced, NIOSH approved respiratory protection for organic vapors should be worn.

### Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended.

## Section 9: Physical and Chemical Properties

**Flash Point** (> 93.9 °C), > 201 F PMCC

**Boiling Point** (> 100 °C), > 212 F

**Specific Gravity** (0.986 g/ml), 8.2 lb/gal @ 25 C

**Percent Volatile** 68 - 75 % (w/w)

**Vapor Pressure** Not Determined or Unknown

**Vapor Density** Estimated lighter than air.

**Viscosity** 2000 cps @ 25 C

**Evaporation Rate** Estimated slower than ethyl ether.

**RVOC** 0 %

**Pour Point** 41 F

**pH Value** 5.5 - 7 (as is)

**Freezing Point** (1.7 °C), 35 F

### Appearance and Odor

Clear liquid, pale yellow color.

## Section 10: Stability and Reactivity Data

### Chemical Stability

Stable under normal conditions.

### Incompatibility

This product may react with strong acids or oxidizing agents.

### Hazardous Decomposition

Upon decomposition, this product may yield sulfur dioxide and oxides of sulfur.

### Hazardous Polymerization

Will not occur.

### Section 11: Toxicological Information

#### Carcinogenicity

Not listed as carcinogenic according to IARC, NTP or OSHA.

#### Lauryl alcohol 112-53-8

NIOSH - Selected LD50s and LC50s Oral LD50 Rat: >12800 mg/kg

#### Ammonium laureth (n=<3) sulfate 32612-48-9

NIOSH - Selected LD50s and LC50s Oral LD50 Rat: 630 mg/kg

### Section 12: Ecological Information

#### Ecotoxicity

No data available on finished product.

#### Environmental Fate

This product is biodegradable.

### Section 13: Disposal Considerations

#### Disposal Instructions

Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial and Local regulations. Regulations may vary in different locations. Characterization and compliance with applicable laws are the responsibility solely of the generator.

### Section 14: Transport Information

#### DOT Proper Shipping Name

Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.

### Section 15: Other Regulatory Information

#### U.S. Federal Regulations

##### **Ingredient Name CAS Number Percent**

Water 7732-18-5 68 - 75 %

Ammonium laureth (n=<3) sulfate 32612-48-9 24 - 26 %

Lauryl alcohol 112-53-8 < 2 %

#### State Regulations

This product may contain the following ingredient(s) known to the State of California to cause cancer, birth defects or other reproductive harm: 1,4-Dioxane (CAS RN: 123-91-1)

#### Canada WHMIS

D2B

#### Inventories

All components of this product are listed on the following inventories: U.S.A.(TSCA), Canada(DSL), Europe(EINECS/ELINCS/Polymer/NLP), Australia(AICS), Korea(ECL), Philippines(PICCS)Japan(ENCS), China (EICS),

There is no calculable reportable quantity (RQ) for this product.

### Section 16: Other Information

**MSDS Creation Date:** 6/16/2000

**Revision #4 Date:** 3/15/2007

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall chemtrade international be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if chemtrade international has been advised of the possibility of such damages.*