

Ammonium Lauryl Sulfate

MSDS (Material Safety Data Sheet)

October 29, 2012

CHEMICAL DESCRIPTION : Ammonium Lauryl Sulfate
SYNONYMS: N.A.

Section 2 – Composition / Information on Ingredients

Comp: Sodium lauryl sulfate
CAS No.: Confidential
Percentage (by wt.): From 30 to 39.9 percent
OSHA: TWA: N/E STEL: N/E ACGIH: TWA: N/E STEL: N/E Other: TWA: N/E STEL: N/E Carcinogen: N/E
Comp: Sodium hydroxide
CAS No: 1310-73-2
Percentage (by wt.): 4%
OSHA: TWA: N/E STEL: 2mg/cuM(c) ACGIH: TWA: 2mg/cuM STEL: 2mg/cuM(c) Other: TWA: N/E STEL: N/E
Carcinogen: N/E
(s)- Skin exposure (p)- Proposed limit (c)- Ceiling exposure (1)- Recommended exposure limit (u)- Supplier recommended exposure limit (N/E)- None established

Section 3- Hazards Identification

Principal Hazards **WARNING.**
 HARMFUL IF SWALLOWED
 CAUSES EYE IRRITATION
 CAUSES SKIN IRRITATION
 CAUSES RESPIRATORY TRACT IRRITATION
 See Section 11 for complete health hazard information

Section 4- First Aid Measures

Oral: DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attention.
Eyes: Flush immediately with water for at least 15 minutes. Get immediate medical attention
Skin: Wash with soap and water. Immediately remove contaminated clothing. Get medical attention if irritation persists. Launder contaminated clothing before reuse and discard shoes and other leather articles saturated with the material.
Inhalation: Remove exposed person to fresh air if adverse effects are observed. If breathing is labored, administer oxygen. If breathing has stopped, apply artificial respiration. If irritation persists or if toxic symptoms are observed, get medical attention.
Additional Information: Not to physician. Treat symptomatically.

Section 5- Fire Fighting Measures

Flash Point: >100 Deg. C, 212 Deg. F PMCC (Minimum)
Extinguishing Media: CO2, dry chemical, foam, water spray, water fog.
Firefighting Procedures: Recommend wearing self-contained breathing apparatus. Water may be ineffective fighting fires.
Unusual Fire &
Explosion Hazards: Toxic fumes, gases or vapors may evolve on burning.

Section 6- Accidental Release Measures

Spill Procedures:
Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated area. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Check under Transportation and Labeling (DOT/CERCLA) and Other Regulatory Information Section (SARA) for hazardous substances to determine regulatory reporting requirement for spills.

Section 7- Handling and Storage

Maximum Pumping Temperature:	Not determined
Maximum Handling Temperature:	Not determined
Handling Procedures:	Keep containers closed when not in use. Wash thoroughly after handling. Empty container contains product residue which may exhibit hazards of product.
Maximum Storage Temperature:	Not determined
Storage Procedures:	No special storage precautions required.
Loading Temperature:	Not determined

Section 8- Exposure Controls / Personal Protection

Ventilation Procedures:	Use local exhaust ventilation to control mists or vapors. Additional ventilation or exhaust may be required to maintain air concentrations below recommended exposure limits.
Gloves Procedures:	Use nitrile or neoprene gloves.
Eye Protection:	Chemical goggles or faceshields.
Respiratory Protection:	Use NIOSH/MSHA approved full face respirator with a combination organic vapor and dust/mist cartridge if the recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.
Clothing Recommendation:	Long sleeve shirt is recommended. Wear a chemically protective apron when contact with material may occur. Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction.

Section 9- Physical and Chemical Properties

Flash Point:	>100 Deg. C, 212 Deg. F PMCC (Minimum)
Upper Flammable Limit:	Not determined
Lower Flammable Limit:	Not determined
Autoignition Point:	Not determined
Explosion Data:	Material does not have explosive properties
Vapor Pressure:	Not determined
PH:	Not determined
Specific Gravity:	1.06 (15.6 Deg. C)
Water Solubility:	Soluble.
Percent Volatile:	Unknown.
Percent VOC:	Not determined
Vapor Density:	Not determined
Evaporation Rate:	Not determined
Odor:	Mild
Appearance:	Water white liquid
Viscosity:	Unknown
Odor Threshold:	Unknown
Boiling Point:	Not determined
Pour Point Temperature:	Not determined
Melting / Freezing Point:	Not determined

The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise noted.

10- Stability and Reactivity

Stability:	Material is normally stable at moderately elevated temperatures and pressures.
Decomposition Temperature:	Not determined
Incompatibility:	None known, avoid contact with reactive chemicals
Polymerization:	Will not occur
Thermal Decomposition:	Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.

11-Toxicological Information

-ACUTE EXPOSURE-

Oral Toxicity:	This material is considered TOXIC by oral ingestion. Based on data from components or similar materials. Swallowing this material can cause burns to the mouth and esophagus. Asphyxiation can occur from swelling of the throat. Perforation of the esophagus and stomach can occur.
Eye Irritation:	Moderate to strong eye irritation. Based on data from components or similar material
Skin Irritation:	Skin irritant. Based on data from components or similar materials.
Dermal Toxicity:	The LD50 in rabbits is > 2000 mg/Kg. Based on data from components or similar materials.
Inhalation Toxicity:	Inhalation of dust or mist can cause severe pneumonitis and destruction of lung tissue.
Respiratory Irritation:	Nose, throat and lung irritant. Based on data from components or similar materials.
Dermal Sensitization:	No data available to indicate product or components may be a skin sensitizer.
Inhalation Sensitization:	No data available to indicate product or components may be respiratory sensitizers.

-CHRONIC EXPOSURE-

Chronic Toxicity:	No data available to indicate product or components present a greater than 1% are chronic health hazards.
Carcinogenicity:	No data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.
Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Reproductive Toxicity:	No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.
Teratogenicity:	No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.

-ADDITIONAL INFORMATION-

Other:	No other health hazards known.
Exposure Limits:	See Hazardous Ingredients Section for any applicable exposure limits for components.

12- Ecological Information

-ENVIRONMENTAL TOXICITY-

Freshwater Fish Toxicity:	Not determined
Freshwater Invertebrates Toxicity:	Not determined
Algal Inhibition	Not determined
Saltwater Fish Toxicity:	Not determined
Saltwater Invertebrates Toxicity:	Not determined
Bacteria Toxicity:	Not determined
Miscellaneous Toxicity:	Not determined

-ENVIRONMENTAL FATE-

Biodegradation:	Adequate data is not available estimate the biodegradation potential of this material.
Bioaccumulation:	Less than 1.0% of the components display no potential to bioconcentrate.
Soil Mobility:	Not determined

13- Disposal Consideration

Waste Disposal:	This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261.
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14- Transport Information

ICAO/IATA	Not regulated
IMDG(Ambient)	Not regulated
IMDG(Elevated)	DO NOT TRANSPORT-ADDITIONAL INFORMATION REQUIRED
IMDG EMS	Not applicable
IMDG MFAG	Not applicable
IMO Marine Bulk	DO NOT TRANSPORT-ADDITIONAL INFORMATION REQUIRED
USCG Compatibility	Not Determined
U.S. DOT Bulk (Ambient)	Environmentally hazardous substance liquid, n.o.s.(Sodium hydroxide, Sodium hypochlorite), Class 9, UN3082, PG III, RQ
U.S. DOT Bulk (Elevated)	DO NOT TRANSPORT-ADDITIONAL INFORMATION REQUIRED
U.S. DOT Non-Bulk	Not regulated
DOT NAERG	171
TDG Bulk (Ambient)	Environmentally hazardous substance liquid, n.o.s (Formaldehyde, Sodium hydroxide), Class 9, UN3082, PG III, RL
TDG Bulk (Elevated)	DO NOT TRANSPORT-ADDITIONAL INFORMATION REQUIRED
TDG Non-Bulk	Not regulated
Mexico	Not regulated
ADR/RID (Ambient)	Not regulated
ADR/RID (Elevated)	DO NOT TRANSPORT-ADDITIONAL INFORMATION REQUIRED
ADR/RID Hazard ID No.	Not applicable
ADG (Ambient)	Not regulated
ADG (Elevated)	DO NOT TRANSPORT-ADDITIONAL INFORMATION REQUIRED

15- Regulatory Information

U.S. TSCA Inventory:	All components of this material are on the US TSCA Inventory.
Other TSCA Reg.	None known
SARA Ext. Haz. Subst.:	This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances list.
SARA Section 313:	This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313.

TDG Regulated Limit.:	
Transit Reportable Quantities:	
Components:	Sodium hydroxide
Reportable Limits RL/Units	311/gal.
Reportable Limits RL/Units	1179/liters
Components:	Formaldehyde
Reportable Limits RL/Units	24916/gal
Reportable Limits RL/Units	94281/liters



CERCLA Hazardous Substances:

Transit Reportable Quantities:

Components:

Reportable Limits RL/Units

Reportable Limits RL/Units

Components:

Reportable Limits RL/Units

Reportable Limits RL/Units

Components:

Reportable Limits RL/Units

Reportable Limits RL/Units

Sodium hydroxide

2831/gal

10714/liters

Sodium hypochlorite

10296/gal

38959/liters

Formaldehyde

22651/gal

85710/liters

Components:

Reportable Limits RL/Units

Reportable Limits RL/Units

Components:

Reportable Limits RL/Units

Reportable Limits RL/Units

Components:

Reportable Limits RL/Units

Reportable Limits RL/Units

Cal. Prop. 65

Stationary Reportable Quantities:

Sodium hydroxide

2831/gal

10714/liters

Sodium hypochlorite

10296/gal

38959/liters

Formaldehyde

22651/gal

85710/liters

This product contains the following chemical(s) known to the state of California to cause cancer and/or birth defects based on maximum impurity levels of components: 500 ppm Formaldehyde, CAS no. 50-00-0

Not applicable

This product has not been filed with the USDA to support H2 approvals.

This product has not been filed with the NSF to support H1 or H3 approvals.

U.S. Fuel Registration:

U.S. Dept of Agriculture:

NSF Nonfood Compounds Registration:

U.S. Tariff Heading Number:

Schedule B Number:

FDA Approval:

EEC EINECS:

Finnish Registration Number:

Sweden Registration Number:

Norway Registration Number:

Danish Registration Number:

Switzerland Bag T Registration Number:

Japan METI:

Australia:

Canada:

Switzerland:

Korea:

Korean Registration Number:

Philippines:

China:

China Registration Number:

New Zealand Registration Number:

Malta Registration Number:

Ukraine Registration Number:

All components are in compliance with the Chemical Substances Control Law of Japan

All components are in compliance with chemical notification requirements in Australia

All components are in compliance with the Canadian Environmental Protection Act and

are present of the Domestic Substances List.

May require notification before sale in Switzerland

All components are in compliance in Korea

Not Registered

All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).

All components of this product are listed on the Inventory of Existing Chemical Substances in China.

Not Registered

Not Registered

Not Registered

Not Registered

16- Other Information

US NFPA Codes:	Health: 3	Fire: 1	Reactivity: 0	Special: N/E
HMS Codes:	Health: 3	Fire: 1	Reactivity: 0	
Precautionary Labels:				

WARNING.**HARMFUL IF SWALLOWED****CAUSES EYE IRRITATION****CAUSES SKIN IRRITATION****CAUSES RESPIRATORY TRACT IRRITATION**

Revision Indicators:

Section: 3 Principal Hazards Changed 02 January 2003

Section: 10 Incompatibility Changed 02 January 2003

Section: 16 HMIS Codes Changed 02 January 2003

Section: 16 NFPA Codes Changed 02 January 2003

Section: 16 Principal Hazards Changed 02 January 2003

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