



# UFAROL AM 70

## SAFETY DATA SHEET

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SDS#: 1401

Review/Revision Date: 08/29/19

### SECTION 1 - General Information And Chemical Product Identification

Trade Name: **UFAROL AM 70**

CAS #: **90583-11-2**

Chemical Name: **Lauryl Sulphate, Ammonium salt**

Product Code:

Application/Uses/ **Surfactant Concentrate. Concentrate for personal care.**

**UFAROLAM70**

Restrictions **None Specified**

Distributor Information **LidoChem, Inc. 20 Village Court, Hazlet, NJ 07730, Phone: (732) 888 8000  
Fax: (732) 264 2751 \* email: info@lidochem.com**

Emergency phone #: **CHEMTREC - Day or Night - at 800 424 9300**

### SECTION 2 - Hazard(s) Identification

#### Classification of the substance or mixture (GHS-US)

Acute Tox Cat 4  
Eye Dam./Irritant Cat 1  
Skin Corrosive/ Irritant, Cat 2  
Aquatic Chronic Cat 3  
Metal Corrosive Ct 1

#### Physical Hazards

H290 – May be corrosive to metals.

#### Hazard Statement

H302: Harmful if swallowed

H315: Causes skin irritation

H318: Causes serious eye damage

H412: Harmful to aquatic life with long lasting effects

#### OSHA Defined Hazards

This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910,1200.

#### HNOC - Hazards Not Otherwise Classified

No other hazards classified



Corrosive



Irritant

Signal  
Word  
**Danger**

#### GHS Precautionary Statements - Prevention, Response, Storage, Disposal

P264: Wash with plenty of water and soap thoroughly after handling  
P280: Wear protective gloves/protective clothing/eye protection/face protection

P234: Keep only in original container

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P310: Immediately Call a POISON CENTER or doctor/physician

P302+352: IF ON SKIN: Wash with soap and water

P332+313: If skin irritation occurs: Get medical advice/attention

P362: Take off contaminated clothing and wash before reuse

P273: Avoid release to the environment

P501: Dispose of contents/container to local, state and federal regulations.

### SECTION 3 Composition/information On Ingredients

Molecular Weight: **292**

Chemical FORMULA: **R-O-SO<sub>3</sub>Na<sub>4</sub>**

CAS#:	Common Name/Synonyms:	% by Wt.
90583-11-2	Sulfuric Acid, mono C12 - 14 alkyl esters, ammonium salts	60 -80%

## SECTION 4 - First Aid Information

### Description of first aid measures

#### General Advice:

Hazards: No hazard is expected under intended use and appropriate handling.

#### If Inhaled:

Not Relevant.

#### In Case Of Skin Contact:

In case of contact, immediately wash with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes before reuse or discard if they cannot be thoroughly cleaned. Use suitable lotion to moisturize the skin.

#### In Case Of Eye Contact:

Flush eyes with large quantities of running water for a minimum of 15 minutes. If present and easy to do, remove contact lenses. Hold eyelids apart during the flushing to ensure rinsing of entire surface of the eye and lids with water. DO NOT let victim rub eye(s). Do not attempt to neutralize with chemical agents. Oils/ointments should not be used at this time. Get medical attention if eye irritation occurs.

#### If Swallowed:

If victim is conscious and alert, rinse mouth then give water copiously to dilute chemical. **Do not induce vomiting. Never give anything to eat or drink to someone who is unconscious, having convulsions, or unable to swallow.** Seek immediate medical attention. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Vomiting may occur spontaneously. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

#### Most important symptoms and effects, both acute and delayed:

Has moderate order of toxicity. Direct contact can cause irritation of the eyes, skin. Repeated skin contact may cause dermatitis. Ingestion may cause gastrointestinal irritation, vomiting and diarrhea.

#### Indication of any immediate medical attention and special treatment needed:

Treat symptomatically

## SECTION 5 - Fire And Explosion Data

### Suitable Extinguishing Media:

Use water, foam, CO<sub>2</sub>, fire extinguisher. - All types of fire extinguisher may be used.

### Unsuitable Extinguishing Media:

Not specified

### Specific Hazards arising from the chemical:

Fire creates: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Sulphurous gases (SO<sub>x</sub>).

### Special protective equipment and precautions for fire-fighters:

Self-contained positive pressure breathing apparatus and protective clothing should be worn.

### Fire-fighting equipment/instructions

Use fire water to keep fire-exposed containers cool and disperse vapors.

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

### Specific Methods

Use standard firefighting procedures and consider the hazards of other involved materials.

**Section 6 - Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures:**

Risk of contact: Wear protective gloves and goggles/face shield. Try to limit any spill. In case of spills, beware of slippery floors and surfaces. Evacuate personnel to well ventilated, safe areas.

**Environmental Precautions:**

Collect any spilled product and deliver it to a qualified recipient according to local, state and federal regulations.

**Methods and Materials for Containment and Clean Up:**

Try to limit any spill. Spill of product will give slippery surfaces. Product is readily biodegradable.  
For small amounts: Pick up with suitable absorbent material. For large amounts: Dike spillage. Pump off product.  
Dispose of absorbed material in accordance with regulations.

**Section 7- Handling and Storage**

**Precautions for safe handling:**

Avoid spilling, skin and eye contact. Change contaminated clothing. Container must be kept tightly closed. Do not eat, drink or smoke when using the product. Provide easy access to water supply and eye wash facilities.

**Conditions for safe storage:**

Suitable materials for containers: High density polyethylene (HDPE) Keep container tightly closed and dry; store in a cool place.  
Store protected against freezing. Storage temperature: 20 - 40 °C

**Incompatibilities:**

Strong acids.

**Section 8 - Exposure Control and Personal Protection**

**Occupational Exposure Limits:**

Chemical Identity:	CAS #:	Exposure Limit Values		SOURCE	OSHA/PPM
		TWA	STEL		PEL
Sulfuric Acid, mono C12 - 14 alkyl esters,	90583-11-2			ACGIH Threshold Limit Values	none
				ACGIH Threshold Limit Values	
				ACGIH Threshold Limit Values	

**Exposure Limits and Appropriate Engineering Controls:**

Exposure limits represent regulated or recommended worker breathing zone concentrations measured by validated sampling and analytical methods, meeting OSHA requirements. The following limits (ACGIH, OSHA and other) apply to this material, where, if indicated, S=skin and C=ceiling limit:  
ACGH TLV/TWA PARTICULATES NOT OTHERWISE CLASSIFIED: Not specified

**Individual Protection Measures, (Personal Protective Equipment):**

**Eye Protection**

Wear approved chemical safety goggles where eye exposure is reasonably probable. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material. Tightly fitting safety goggles (splash goggles) (e.g. EN 166) An eye wash bottle must be available at work site. The use of closed processes and personnel protective equipment significantly minimize worker exposure to the substance.

**Skin Protection**

Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e. shirts and pants). Consideration must be given to both to durability as well as permeation resistance. Use neoprene, nitrile, polyethylene or PVC.

**Other Protection:**

Wear protective clothing to prevent repeated or prolonged contact. Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit .

**Respiratory Protection**

When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the latest OSHA standard (29 CFR 1910.134) and/or ANSI Z88.2 recommendations.

**Ventilation Limits:**

Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures: local exhaust ventilation at the point of generation.

**Hygienic Practices:**

All food / smoking materials should be kept in a separate area away from the storage/use location. Eating, drinking and smoking should be prohibited in areas where there is a potential for significant exposure to this material. Before eating, drinking or smoking, hands and face should be thoroughly washed. Facilities storing or using this material should be equipped with an eyewash and safety shower.

**Section 9 - Physical and Chemical Properties**

**Appearance And Odor:** Clear light yellow to amber, pumpable pasty solution

**pH:** 6.8%

**Melting Point:** No data available

**Flammable Limits:** Not flammable

**Freezing Point:** No data available

**UEL:** Not relevant

**Boiling Point:** No data available

**LEL:** Not relevant

**Flash Point:** > 101 °C

**Vapor Pressure(mm/hg):** Not determined

**Evaporation Rate:** No data available

**Vapor Density(air=1):** 1.05 - 1.15 g/cm<sup>3</sup> (25 °C)

**Solubilities:** very soluble

**Autoignition Temp:** Not determined

**Specific Gravity:** 0.9 - 1.1 g/ml

**Decomposition Temp:** No decomposition

**Bulk Density:** No data available

**Reactivity In Water:** None

**Other Information:**

**Viscosity:** > 10,000 mPa\*s (20 °C)

**Section 10 - Stability and Reactivity**

**Chemical Stability and Reactivity:**

This product is considered stable under recommended storage and handling conditions.

**Possible Hazardous Reactions:**

No hazardous reactions if stored and handled as prescribed/indicated.

**Conditions to Avoid:**

Avoid storage at temperatures above 50°C and below 0°C

Storage temperature: 20 - 40 °C

**Incompatible Materials:**

Strong acids.

**Hazardous Decomposition Products:**

No hazardous decomposition products known.

## Section 11- Toxicological Information

**Information On The Likely Routes Of Exposure:** Ingestion and Dermal.

**Symptoms Related To The Physical, Chemical And Toxicological Effects:**

**Inhalation Effects:**

Not relevant

**Skin Effects:**

Acts as a defatting agent on skin. May cause cracking of skin and eczema. Irritating to the skin.

**Dermal Toxicity:**

Worker: Long-term exposure- systemic effects,  
NOAEL = 400 mg/kg/day.

**Eye Effects:**

Irritation of eyes and mucous membranes. Risk of serious damage to eye. May irritate and cause redness and pain.

**Ingestion Effects:**

Harmful if swallowed. The product causes irritation of mucous membranes and may cause abdominal discomfort if swallowed.

**Sensitization:**

Not a sensitizer.

**Carcinogenicity/Mutagenicity:**

This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be "probable" or "suspected" human carcinogens. The chemical structure does not suggest a specific alert for mutagenicity.

**Reproductive Effects:**

The chemical structure does not suggest a specific alert for such an effect.

**Neurotoxicity:**

No test data found for product.

**Target Organs:**

No test data found for product. Not a specific target organ toxicant (STOT) by single - exposure.  
Not a specific target organ toxicant(STOT) by long time exposure.

**Additional Toxicological Information:**

None

## Section 12- Ecological Information

**Ecotoxicity:** No considered dangerous for the environment

**Degradability:** Primary Biodegradation: MBAS = 98-100%

**Bioaccumulative potential:** No data available

**Mobility in the Soil:** Assessment transport between environmental compartments: Volatility: not applicable

**Additional Adverse effect on environment:**

LC-50 value for fish: 1 - 10 mg/l

LC-50 value for Daphnia: 10-50 mg/l (48 hours) EC 50 IC 50 - algae 10-100 mg/l life span 72 hrs.

**SECTION 13 - Disposal Considerations**

**Disposal Instructions and Regulations:**

Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Be advised that state/local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state/local regulations regarding proper disposal of material. Small amounts may be flushed with water to sewer. Larger amount must be collected in marked containers and sent to approved plant for destruction.

**Hazardous Waste Code:** EPA Hazardous Waste Number D002 - corrosive

**Container Disposal Information:**

Be advised that state/local requirements for container disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state/local regulations regarding proper disposal of container.

**Section 14 - Transport Information**

**US DOT, IATA, IMO, ADR:** Corrosive Liquid, Acid, Organic NOS

**Proper Shipping Name:**

**D. O. T. Hazard Class:** Corrosive

**UN #:** 3265

**Label Requirement:** Corrosive

**RQ:**

**Placard:** Corrosive

**CAS:** 90583-11-2

**Packing Group:** III

**ERG Book Information:** None

**Environment Hazards:** No

**Marine Pollutant:** No

**Special Precautions:** No

**IATA:** CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (SULFURIC ACID) 8, UN 3265, PG III

**Section 15 - Regulatory Information**

**US Federal - OSHA Status:**

This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910,1200.

**TSCA Status:**

Not Listed/Non-reportable

**U.S. SARA Reporting Requirements:**

**SARA Title III Hazard Classes Section 302 - EXTREMELY HAZARDOUS SUBSTANCES:**

This product does NOT contain ingredients listed in Appendix A and B as Extremely Hazardous substances.

**SARA Title III Hazard Classes Sections 311/312:**

None

**SARA Section 313 Toxic Chemicals:**

This product contains the following toxic chemical subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act:

**CAS#            Chemical Name:**

This material does NOT contain any chemical components with known CAS numbers that exceed the threshold reporting levels.

**SARA Superfund Section 110:**

This product does not contain ingredients listed as hazardous substances on the Priority List of CERCLA Hazardous substances.

**CERCLA, 40 CFR 117, 302:**

This product does not contain ingredients specified in the List of Extremely Hazardous Substances.

**CERCLA listed substances are:**

None



**Other Federal Reporting Requirements:**

**CAA:** This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act  
**CWA:** No chemicals in product are listed a Hazardous Substances, Priority Pollutants or Toxic Pollutants under the CWA.  
**RCRA:** Not considered a hazardous waste.

**State Reporting Requirements:**

**State Right to Know Laws:**

CAS#	State RTK	Chemical Name
		None

**CALIFORNIA PROPOSITION 65:**

To the best of our knowledge, this product does NOT contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**Michigan Critical Materials:**

This product does not contain ingredients listed on the Michigan Critical Materials Register.

**Global Lists/International Inventories:**

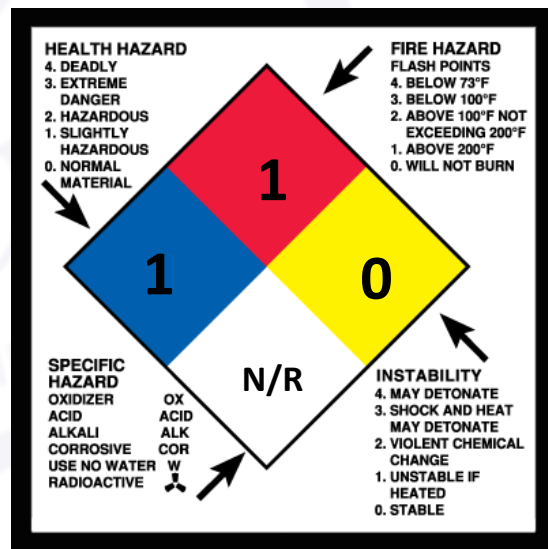
**Canada CEPA:** Listed on the DSL  
**Canada WHMIS:** No information found.

**SECTION 16 - Other Information**

8-20-18 - Reviewed, updated California Proposition 65 statement, this replaces all previous SDS's.

Reach No.: 01-2119519217-42-0004

8-29-19 - Updated TSCA inventory - product NOT LISTED/NOT REPORTABLE



**Date of last revision:**

8-29-2019

**Reach Number EU**

**01-2119519217-42-0004**

**UFAROL AM 70**  
**SAFETY DATA SHEET**

NOTICE: OSHA STANDARD 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a Hazard Communication Program including training, labeling, Material Safety Data Sheets, and access to written records. We request that you, and it is your legal duty, make all information in this Material Safety Data Sheet available to your employees.

**Key Legend Information:**

N/Ap:	Not Applicable	ND:	Not Determined
N/R:	Not Rated	NDA:	No Data Available
ACGI:	American Conference of Govr'ntal Industrial Hygienists	TLV:	Threshold Limit Value
OSHA:	Occupational Safety and Health Administration	TWA:	Time Weighted Average
PEL:	Permissible Exposure Limit	NTP:	National Toxicology Program
STEL:	Short Term Exposure Limit	TSCA:	Toxic Substance Control Act
IARC:	International Agency for Research on Cancer	CERCLA:	Comprehensive Response, Compensation and Liability Act
SARA Title III:	Superfund Amendments and Reauthorization Act	CWA:	Clean Water Act
CAA:	Clean Air Act	IMO:	International Maritime Organization Shipping Info.
RCRA:	Resource Conservation Recovery Act	WHMIS:	Workplace Hazardous Materials Information System
IATA:	International Air Transport Association Shipping Info.		
DSL:	Domestic Substance List (Canada)		

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