



Ufarol TCT 90 N

SAFETY DATA SHEET

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SDS#: 1301

Review/Revision Date: 05/10/17

SECTION 1 - General Information And Chemical Product Identification

Trade Name: **Ufarol TCT 90 N**

CAS #: **68955-19-1**

Chemical Name: **Sodium C12 - 18 alkylsulphate**

Product Code:
UFAROLTCT90N

Application/Uses/ **Used in production of hard surface - and laundry detergents**

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)

Skin Irritant Category 2
Eye Damage Category 1
Aquatic Chronic Cat. 3; H412
Risk of serious damage to eyes. Irritating to skin.

GHS Precautionary Statements - Prevention, Response, Storage, Disposal

P201: Obtain special instructions before use

P280: Wear protective gloves/protective clothing/eye protection/face protection

Physical Hazards

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

Hazard Statement

H315: Causes skin irritation

P308+313: IF exposed or concerned: Get medical advice/attention

H318: Causes serious eye damage

P311: Call a POISON CENTER or doctor/physician

P405: Store locked up

OSHA Defined Hazards

This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

HNOC - Hazards Not Otherwise Classified



Corrosive



Irritant

Signal Word

Danger

SECTION 3 Composition/information On Ingredients

Molecular Weight: **308**

Chemical FORMULA: **R-O-SO₃ Na**

CAS#:	Common Name/Synonyms:	% by Wt.
68955-19-1	Sulfuric acid, mono-C12-18-alkyl esters, sodium salts	90-100%

SECTION 4 - First Aid Information

Description of first aid measures

General Advice:

In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

If Inhaled:

Remove to fresh air. If breathing becomes difficult, oxygen may be given, preferably with a physician's advice. If not breathing, give artificial respiration. Get medical attention.

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, 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, nose and throat. Repeated skin contact may cause dermatitis. Ingestion may cause gastrointestinal irritation, vomiting and diarrhea.

Indication of any immediate medical attention and special treatment needed:

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

SECTION 5 - Fire And Explosion Data

Suitable Extinguishing Media:

Use water, foam, CO₂, fire extinguisher. - All types of fire extinguisher may be used.

Unsuitable Extinguishing Media:

None specified

Specific Hazards arising from the chemical:

Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for fire-fighters:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting equipment/instructions

Self-contained pressure breathing apparatus and protective clothing should be worn. Water spray may be used to control dust. Use fire water to keep fire-exposed containers cool and disperse vapors.

Specific Methods

Use standard firefighting procedures and consider the hazards of other involved materials. May form combustible dust concentrations in air.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Use only non-sparking tools. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of dust from the spilled material. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

Environmental Precautions:

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

Methods and Materials for Containment and Clean Up:

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. This product is miscible in water. Large Spills: Collect spillage. If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Sweep up or vacuum up spillage and collect in suitable container for disposal. Collect dust using a vacuum cleaner equipped with HEPA filter. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Minimize dust generation and accumulation. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Section 7- Handling and Storage

Precautions for safe handling:

Avoid spilling, skin and eye contact. Avoid handling which leads to dust formation. Use spark-proof tools and explosion-proof equipment. Eliminate all sources of ignition.

Conditions for safe storage:

Store in cool dry area in unopened or sealed sacks.

Incompatibilities:

Take precautionary measures against static discharges. Avoid inhalation of dust.

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-C12-18-alkyl esters,	68955-19-1	N/Av	N/Av	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. Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.

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.

Other Protection:

Wear protective clothing to prevent repeated or prolonged contact.

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: White needles

pH: 9.0

Melting Point: No data available

Freezing Point: No data available

Boiling Point: No data available

Flash Point: 296.5°C

Evaporation Rate: No data available

Solubilities: Very soluble

Specific Gravity: No data available

Bulk Density:

Other Information:

Flammable Limits: N/Av

UEL: Not Determined

LEL: Not Determined

Vapor Pressure(mm/hg): N/Av

Vapor Density(air=1): N/Av

Autoignition Temp: 302°C

Decomposition Temp: No data available

Reactivity In Water: None

Viscosity:

Section 10 - Stability and Reactivity

Chemical Stability and Reactivity:

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

Possible Hazardous Reactions:

Not relevant

Conditions to Avoid:

Keep away from heat, sparks and flame. Risk concerning dust formation: Minimum ignition energy 15-20 mJ.

Risk concerning dust formation: Lower limit explosion 40-50 g/1000 litres, Maximum explosion pressure: 7.5 bar. K(st) 170 bar m/s

Incompatible Materials:

Take precautionary measures against static discharges. Avoid inhalation of dust.

Hazardous Decomposition Products:

Oxide of Carbon and sulfur

Section 11- Toxicological Information

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

Symptoms Related To The Physical, Chemical And Toxicological Effects:

Inhalation Effects:

No test data found for product.

Skin Effects:

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

Dermal Toxicity:

No test data found for product.

Eye Effects:

Irritation of eyes and mucous membranes. Risk of serious damage to eye.

Ingestion Effects:

May cause discomfort if swallowed LD50 Rat 2600mg/kg

Sensitization:

No test data found for product.

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.
No data available for mutagenicity.

Reproductive Effects:

No test data found for product.

Neurotoxicity:

No test data found for product.

Target Organs:

No test data found for product.

Additional Toxicological Information:

None

Section 12- Ecological Information

Ecotoxicity:

Toxic to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected.

Degradability:

Primary Biodegradation: MBAS = 98-100%

Bioaccumulative potential:

Total biodegradation: 88-96 % MOST (OECD 301-E). Total biodegradation: 63-95 % (Closed Bottle Test).

Mobility in the Soil:

Additional Adverse effect on environment:

LC-50 value for fish: 3-20mg/l

LC-50 value for Daphnia: 10-100 mg/l (24 hours) EC 50 lifespan 48 hours

LC 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: Not considered a hazardous waste

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:**

Proper Shipping Name: Sodium C12 - 18 alkylsulphate

D. O. T. Hazard Class: Not regulated by D.O.T

UN #: N/Ap

Label Requirement: None

RQ: N/Ap

Placard: None

CAS: 68955-19-1

Packing Group: N/A

ERG Book Information: None

Environment Hazards: N/Ap

Marine Pollutant: N/Ap

Special Precautions: N/Ap

IATA: N/Ap

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:

Listed/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

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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:

This product does not contain any chemicals which require warning under California Proposition 65.

Michigan Critical Materials:

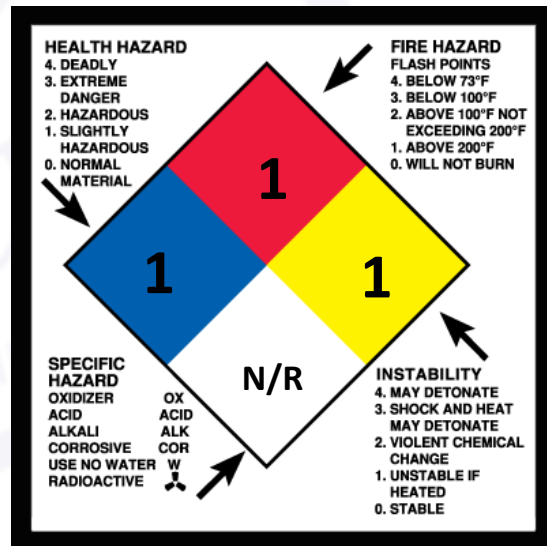
This product does not contain ingredients listed on the Michigan Critical Materials Register.

Global Lists/International Inventories:

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

SECTION 16 - Other Information

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.



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5-10-2017

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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		
RCRA:	Resource Conservation Recovery Act		
IATA:	International Air Transport Association Shipping Info.	IMO:	International Maritime Organization Shipping Info.
DSL:	Domestic Substance List (Canada)	WHMIS:	Workplace Hazardous Materials Information System

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