



Ufaryl DL - 90C

SAFETY DATA SHEET

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SDS#: 155

Review/Revision Date: 05/10/17

SECTION 1 - General Information And Chemical Product Identification

Trade Name: **Ufaryl DL - 90C**

CAS #: **68411-30-3**

Chemical Name: **Linear Alkyl Benzene Sulphonate, Sodium salt**

Product Code:
DL90C

Application/Uses/ **Surfactant, For production of hard surface- and laundry detergents.**

Restrictions **No specified restrictions.**

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 Category 4
Skin Irritant Category 2
Eye Damage Category 1
Aquatic Chronic 3

Physical Hazards

None determined

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

Combustible dust - OSHA defined



Corrosive



Irritant

Signal Word

Danger

GHS Precautionary Statements - Prevention, Response, Storage, Disposal

P264: Wash skin thoroughly after handling
P280: Wear protective gloves/protective clothing/eye protection/face protection
P302+352: IF ON SKIN: Wash with soap and water
P330: Rinse mouth
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
P362: Take off contaminated clothing and wash before reuse
P270: Do not eat, drink or smoke when using this product
P273: Avoid release to the environment
P501: Dispose of contents/container in accordance with Federal, State and Local regulations at an approved disposal plant.

SECTION 3 Composition/information On Ingredients

Molecular Weight: **344**

Chemical FORMULA: **R-O-SO₃-Na Carbons in alkyl chain R=10-13 =**

CAS#:	Common Name/Synonyms:	% by Wt.
68411-30-3	Benzenesulphonic acid, C10-C13 alkyl derivs., sodium salts	90%

SECTION 4 - First Aid Information

Description of first aid measures

General Advice:

No additional information

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. Seek medical attention if irritation occurs. Remove contaminated clothing and shoes before reuse or discard if they cannot be thoroughly cleaned.

In Case Of Eye Contact:

Flush eyes with large quantities of running water for a minimum of 15 minutes. If victim is wearing contact lenses, remove them. 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 or milk 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. Contact with eyes causes severe eye irritation. Contact with skin causes irritation and redness. Inhalation may cause irritation of the upper respiratory airways. Ingestion may cause damage to the stomach and intestinal mucosa, with nausea, vomiting, diarrhea.

Indication of any immediate medical attention and special treatment needed:

No additional information

SECTION 5 - Fire And Explosion Data

Suitable Extinguishing Media:

Use water, foam, CO₂, fire extinguisher.

Unsuitable Extinguishing Media:

None specified

Specific Hazards arising from the chemical:

Fire creates: Carbon Dioxide (CO₂), Carbon monoxide (CO), Sulphurous gases (SO_x)

Special protective equipment and precautions for fire-fighters:

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

Fire-fighting equipment/instructions

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

Specific Methods

Use water spray

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Wear protective gloves and goggles/face shield. Try to limit any spill. Avoid generation of spreading of dust. Avoid inhalation of dust. In case of spills, beware of slippery surfaces. Ufaryl combined with water will give slippery surfaces.

Environmental Precautions:

Not regarded as dangerous to the environment. Small amounts will not harm vegetation. Ufaryl DL 85 is readily biodegradable.

Methods and Materials for Containment and Clean Up:

Small amounts may be flushed with water to sewer. Larger volumes must be sent to approved plant for destruction. Collect in marked containers and deliver to approved depot. Use a method that does not generate dust. Rinse area with water. Dispose of in accordance with Local Authority requirement.

Section 7- Handling and Storage

Precautions for safe handling:

Avoid spilling, skin and eye contact. Avoid handling which leads to dust formation. 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:

Store in cool dry area. Ufaryl is hygroscopic, store in a dry place in unopened sacks. Storage temperature: <30°C

Incompatibilities:

Strong acids, strong oxidizing substances.

Section 8 - Exposure Control and Personal Protection

Occupational Exposure Limits:

Chemical Identity:	CAS #:	Exposure Limit Values		SOURCE	OSHA/PPM
		TWA	STEL		PEL
Benzenesulphonic acid, C10-C13 alkyl	68411-30-3			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 : 10mg/cubic meter(INHALABLES)

Individual Protection Measures, (Personal Protective Equipment):

Eye Protection

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. Wear approved chemical safety goggles where eye exposure is reasonably probable.

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 rubber, neoprene or PVC hand protection.

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: Ivory White Free Flowing Flake

pH: 7.6%

Melting Point: No data available

Flammable Limits: No data available

Freezing Point: No data available

UEL: Not Determined

Boiling Point: >444°C

LEL: Not Determined

Flash Point: > 100°C non flammable

Vapor Pressure(mm/hg): No data available

Evaporation Rate: No data available

Vapor Density(air=1): No data available

Solubilities: Partly soluble >250 g/l

Autoignition Temp: No data available

Specific Gravity: 0.41

Decomposition Temp: No data available

Bulk Density: No data available

Reactivity In Water: No data available

Other Information: No data available

Viscosity: No data available

Section 10 - Stability and Reactivity

Chemical Stability and Reactivity:

May react with strong acids and strong oxidizers
This product is stable under the recommended handling and storage conditions.

Possible Hazardous Reactions:

Will not occur

Conditions to Avoid:

None

Incompatible Materials:

Strong acids, strong oxidizing substances.

Hazardous Decomposition Products:

None

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:

No test data found for product. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Irritating to skin.

Dermal Toxicity:

No test data found for product.

Eye Effects:

No test data found for product. Risk of serious damage to eyes. May irritate and cause redness and pain.

Ingestion Effects:

LD 50 (Oral, Rat) Acute: 1020 mg/kg

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

Sensitization:

Not sensitizing.

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. Not a mutagen.

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: Not regarded as dangerous for the environment

Degradability: > 99 % **Method of testing:** MBAS (OECD Screening test 301D and 303A) Readily biodegradable

Bioaccumulative potential: 70% DOC (OECD 301D), 60% Oxygen Uptake (OECD 301F) Potential evaluated to be low.

Mobility in the Soil: Expected to have low mobility in soil

Additional Adverse effect on environment:

Add'l info: 60 % Oxygen uptake (OECD 301 F). Inherent test: 95 - 98 % (OECD 302 A, B). Simulation test: 80 - 95 % CAS (OECD 303A).

LC50 value for fish: 1-67 mg/l EC-50 value for Algae: 29mg/l EC50 Daphnia 2.9mg/l LC50 value for Daphnia: 5-15 mg/l

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. Big amount collected and destroyed by burning. Small amounts rinsed away by water.

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 Dodecylbenzenesulfonate

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

UN #: N/A

Label Requirement: None

RQ: N/Ap

Placard: None

CAS: 68411-30-3

Packing Group: N/A

ERG Book Information: Guide # 171

Environment Hazards: No

Marine Pollutant: No

Special Precautions: No

IATA: Not regulated as dangerous goods.

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 SEE SECTION 16 COMMENTS

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:

Immediate (acute) health hazard

SARA Section 313 Toxic Chemicals:

This product does not contain the toxic chemicals 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:

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.

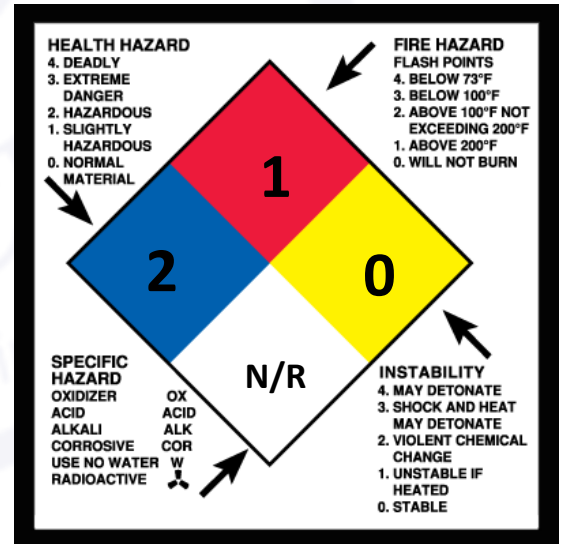
SECTION 16 - Other Information

5-5-15 - SDS reviewed - updated to GHS requirements. This replaces all previous MSDS's - 3-15-2017 - REVIEWED NO CHANGES

Registration of the main ingredient in the Ufaryl series products, the substance Sodium alkylbenzene sulphonate, in the EU based chemical registration system REACH was valid from december 2010. To be able to use a common definition of this substance, all producers agreed on CAS number 68411-30-3, with the name Benzenesulphonic acid, C10-C13 alkyl derivs., sodium salts.

Some international and national registrations like the TSCA use different and more traditional CAS numbers (CAS 25155-30-0) to specify this ingredient. These CAS registry numbers are equivalent, and describes the same substance.

Therefore we guarantee that the CAS 25155-30-0 used in TSCA is valid for the main ingredient in all products in the Ufaryl series.



Date of last revision:

5-10-2017

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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		
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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