

Product Safety Data Sheet

According to the (US) Hazard Communication Standard (29 CFR 1919.1200)

SECTION 1: IDENTIFICATION

Product identifiers

Product Name: Linear Alkylbenzene Sulfonic Acid 96%
CAS-No.: 68584-22-5

Product Code: -

Relevant identified uses of the substance or mixture and uses advised against
Use of the Substance/Mixture: Surfactant, For industrial use only.

Details of the supplier of the safety data sheet
Company Identification: ELX General Trading LLC

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Health hazards
Acute toxicity, oral: Category 4
Skin corrosion/irritation: Category 1
Serious eye damage/eye irritation: Category 1

Environmental hazards
Hazardous to the aquatic environment, acute hazard: Category 2
Hazardous to the aquatic environment , long-term hazard: Category 3

Label elements
Danger



Hazard Statements

Harmful if swallowed. Causes severe skin burns and eye damage. Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention: Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.

Response: If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Specific treatment (see this label). Wash contaminated clothing before reuse.

Storage: Store locked up.

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

Supplemental information

None.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Components	CAS NO	Percent
Alkyl (C10-16) benzenesulfonic acid (Alt CAS 27176-87-0 85536-14-7)	68584-22-5	90-100
Alkyl Benzene-Ln. (C10-13) (Alternate CAS: 67774-74-7)	129813-58-7	1-3
Sulfuric acid	7664-93-9	1-3
Other components below reportable levels	-	<1

SECTION 4 : FIRST AID MEASURES

Inhalation

Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact

Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.



Ingestion

Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

SECTION 5: FIREFIGHTING MEASURES

Suitable extinguishing media

Dry chemical, foam, carbon dioxide, water fog.

Extinguishing media which must not be used for safety reasons

Water. Do not use water jet as an extinguisher, as this will spread the fire

Special protective equipment for firefighters

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

Specific methods

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. 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 material for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Do not breathe mist or vapor. Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not taste or swallow. Avoid prolonged exposure. Do not get this material on clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good



industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Avoid release to the environment. Do not empty into drains.

Conditions for safe storage

Store locked up. Store in original tightly closed container.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limits

Components	Type	Value	
Sulfuric acid (CAS 7664-93-9)	PEL	1 mg/m3	
US. ACGIH Threshold Limit Values			
Components	Type	Value	Form
Sulfuric acid (CAS 7664-93-9)	TWA	0.2 mg/m3	Thoracic fraction.
US. NIOSH: Pocket Guide to Chemical Hazards			
Components	Type	Value	
Sulfuric acid (CAS 7664-93-9)	TWA	1 mg/m3	

Personal protection equipment

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection

Wear appropriate chemical resistant gloves

Eye protection

Wear eye/face protection. Wear safety glasses with side shields (or goggles) and a face shield

Skin and body protection

Wear appropriate chemical resistant clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form:	Viscous Liquid.
Colour:	Dark amber
Odour :	Not available
pH:	< 1 (as is)
Boiling point/range:	N.A
Flash point:	N.A
Evaporation Rate:	N.A
Flammability:	N.A
Explosion limits:	N.A
Vapour pressure:	N.A



Vapor density:	N.A
Relative density:	N.A
Water solubility:	N.A
Partition coefficient (n-octanol/water):	N.A
Autoignition temperature:	N.A
Decomposition temperature:	N.A
Viscosity:	890 cP @ 25°C
Explosive properties:	N.A
Oxidizing properties:	N.A

SECTION 10: STABILITY AND REACTIVITY

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport
Chemical stability	Material is stable under normal conditions
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Heat, flames and sparks. Reacts violently with strong alkaline substances. This product may react with reducing agents. Contact with incompatible materials.
Incompatible materials	This product may react with reducing agents. Incompatible with bases.
Hazardous decomposition products	No hazardous decomposition products are known.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

Acute

Dermal

LD50	Rabbit	> 2000 mg/kg
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Oral

LD50	Rat	500 - 2000 mg/kg
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Skin corrosion/irritation

Causes severe skin burns. May be harmful in contact with skin.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory

Not available.

Carcinogenicity

The International Agency for Research on Cancer (IARC) has concluded that occupational exposure to strong-inorganic acid mists containing sulfuric acid is carcinogenic to humans.



Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity (single exposure)	Not applicable.
Specific target organ toxicity (repeated exposure)	Not applicable.
Aspiration hazard	Not applicable.
Human experience	No data available.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Product	Species	Test Results
BIO-SOFT S-101		
Aquatic		
Algae	EC50	47.3 mg/l, 72 hours
Crustacea	EC50	2.4 mg/l, 48 hours
Fish	LC50	1.67 mg/l, 96 hours

Persistence and degradability	Readily biodegradable
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	No data available
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
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Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.



SECTION 14: TRANSPORT INFORMATION

ROAD Transport:

ADR UN No: 2586, Class No: 8, Item No: 34c, Hazard No: 80 Corrosive or slightly corrosive Substance

SEA Transport:

IMO UN NO: 2586

IMDG Class: 8

Packing gr: III

EmS No: 8-06

MFAG No: 700

AIR Transport: IATA UN No: 2586, ICAO Class: 8, Packing Gr: III

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulatory Information

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication. Standard, 29 CFR 1910.1200.

Chemical safetyassessment

No data available.

SECTION 16: OTHER INFORMATION

Version

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Further information

REVISION DATE: -

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release. It is not to be considered a warranty or quality specification.

