



# National Company for Sulfur Products

## MATERIAL SAFETY DATA SHEET

Ref :OP 8.6 NCSP-MSDS-01	Title: LINEAR ALKYL BENZENE SULPHONIC ACID 97%	Revision	02	Page 1 of 4
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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: LINEAR ALKYL BENZENE SULPHONIC ACID  
COMPANY INFORMATION: NATIONAL COMPANY FOR SULPHUR PRODUCTS  
P.O BOX: 2951, RIYADH 11461, KSA  
TEL NO: 009661 2659660,61,63,64  
FAX: 009661 2659660 EXT:133  
chemist@ncsp.com.sa

### 2. COMPOSITION AND INFORMATION ON INGREDIENTS

#### INFORMATION ON HAZARDOUS INGREDIENTS

CHEMICAL NAME: LINEAR ALKYL BENZENE SULPHONIC ACID  
MOLECULAR FORMULA:  $\text{CH}_3(\text{CH}_2)_{11}\text{C}_6\text{H}_4\text{SO}_3\text{H}$

CONTAINS	CAS No.	PARTS	SYMBOLS	R-Phrase
DODECYL BENZENE SULFONIC ACID	27176-87-0 or 85117-49-3	>96%	C- CORROSIVE	R 22.34
SULFURIC ACID	7664-93-9	0-19%	C -CORROSIVE	R 34

### 3. HAZARDS IDENTIFICATION

Harmful if swallowed. Causes burns.

### 4.FIRST AID MEASURES

GENERAL: Immediately remove contaminated clothing . Rinse with water.  
INGESTION: Rinse mouth and provide fresh air. Dilute by drinking milk copiously.  
Contact physician.  
SKIN: Wash the skin immediately with soap water. Get medical attention if  
any discomfort continues.  
EYES: Promptly wash eyes with plenty of water while lifting the eyelids.  
Continue to rinse for at least 15 minutes .Get medical attention.

### 5. FIRE AND EXPLOSION DATA

EXTINGUISHING MEDIA: This material is not flammable. Fire can be extinguished using foam,  
carbon dioxide, sand, dolomite, etc.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide (CO<sub>2</sub>), Carbon monoxide (CO), Sulfurous gases (SO<sub>x</sub>).

PROTECTIVE MEASURES IN FIRE: Cool down the packing. In case of fire, wear self-contained breathing  
apparatus.

	Name	Designation	Signature	Date
Prepared by	Mr. Syed Mujibur Rahman	QC&QA Senior Chemist		20-03-2022
Approved By	Mr. Amir Qasqas	QC&QA Manager		20-03-2022



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### 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTION: Hand and eye protection. Spilled product gives a slippery surface.

PRECAUTIONS TO PROTECT ENVIRONMENT: Do not discharge product into natural water without pretreatment.

SPILL CLEANUP METHODS: Contain with absorbent material and dispose. Flush area with water for smaller spills.

### 7. HANDLING & STORAGE

USAGE PRECAUTIONS: Avoid spills. Avoid skin and eye contact.

STORAGE PRECAUTIONS: Keep containers tightly closed. Store at moderate temperature. Store above 50°C will give darker color

### 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

PROTECTIVE EQUIPMENT: Protective gloves should be used if there is a risk of direct contact or splash.

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

### 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Brown viscous liquid with a penetrating odor.

VISCOSITY AT 25°C 800 cp

S.G. AT 25°C: 1.01 g/ml

MOL. WEIGHT: 320 ± 2

NEUTRALIZATION #: 179 mg KOH/g sulphonic acid

FLASH POINT (°C): >90° (DIN 51758)

pH (1% SOLUTION) CA. 1.5

ACTIVE MATTER: 96 – 97 %

FREE H<sub>2</sub>SO<sub>4</sub>: 1.2% Max.

FREE OIL: 2.0% Max.

WATER: 1.0% Max

KLETT: 40 Max (5% solution)

### 10. STABILITY & REACTIVITY

REACTIVITY: Reacts with alkalis and generates heat.

HAZARDOUS DECOMP. PRODUCTS: No hazardous decomposition products.

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### 11. TOXICOLOGICAL INFORMATION

HEALTH WARNINGS: This chemical may cause skin/eye irritation and burns (corrosive). Gas or vapor may irritate respiratory system. Harmful if swallowed.

### 12. ECOTOXICOLOGICAL INFORMATION

LC<sub>-50</sub> VALUED FOR FISH: 1-5 mg/l  
LC<sub>-50</sub> VALUE FOR DAPHNIA: 15 mg/l  
LC<sub>-50</sub> VALUE FOR ALGAE: 10-300 mg/l  
DEGRADATION: Readily biodegradable  
PRIMARY BIODEGRADATION: MBAS: 93-97%  
TOTAL BIODEGRADATION: Most: 73-84%  
Closed bottle: 55-65%  
Sturm: 45-76%

### 13. DISPOSAL CONSIDERATION

GENERAL/CLEANING: Must be disposed of by special means, e.g. suitable incineration, in accordance with local regulations.

### 14. TRANSPORT INFORMATION

ADR: UN No. 2586  
Class No. 8  
Item No. 34c  
Hazard No. 80 Corrosive or slightly corrosive substance.  
IMO: UN No. 2586  
IMDG Class 8  
Packing gr. III  
EmS No. 8-06  
MFAG No. 700  
IATA: UN No. 2586  
ICAO Class 8  
Packing gr. III

### 15. OTHER REGULATORY INFORMATION

EC REGULATIONS: N.A.  
EC CLASSIFICATION: N.A.  
LABEL NAME: LINEAR ALKYL BENZENE SULPHONIC ACID.  
HAZARD SYMBOLS: N.A.  
RISK PHRASES: N.A.  
SAFETY PHRASES: N.A.  
HAZARD CLASS: 8 (PACKING GROUP:III)

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### 16. OTHER INFORMATION

DATE OF FIRST ISSUE: 10-12-2009  
DATE OF PREVIOUS MSDS: N.A.  
DATE OF ISSUE: 10-12-2009  
VERSION: 1  
MSDS PREPARED BY: QC&QA Senior Chemist  
AUTHORIZED BY: QC&QA Manager

	Name	Designation	Signature	Date
Prepared by	Mr. Syed Mujibur Rahman	QC&QA Senior Chemist		20-03-2022
Approved By	Mr. Amir Qasqas	QC&QA Manager		20-03-2022