



National Company for Sulfur Products

MATERIAL SAFETY DATA SHEET

Ref :OP 8.6 NCSP-MSDS-02	Title: SODIUM LAURYL ETHER SULPHATE 70%	Revision	02	Page 1 of 4
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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : SODIUM LAURYL ETHER SULPHATE
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: SODIUM LAURYL ETHER SULPHATE
MOLECULAR FORMULA: $\text{CH}_3(\text{CH}_2)_{11}(\text{OCH}_2\text{CH}_2)_n\text{OSO}_3\text{Na}$
(n=No. OF MOLES OF ETHYLENE OXIDE)

CONTAINS	CAS No.	PARTS	SYMBOLS
SODIUM LAURYL ETHER SULPHATE	9004-82-4	68-70%	C-CORROSIVE
SODIUM SULPHATE	7757-82-6	0-1%	C-CORROSIVE

3. HAZARDS IDENTIFICATION

ENVIRONMENTAL HAZARDS: None
HUMAN HEALTH HAZARDS: Toxic If Ingested, Causes Irritation.

4. FIRST AID MEASURES

EFFECTS AND SYMPTOMS

INGESTION: Harmful if ingested and causes irritation.
INHALATION: Irritation and coughing.
SKIN CONTACT: May cause irritation.
EYE CONTACT: Irritating.

FIRST AID MEASURES

INGESTION: Induce vomiting and seek medical attention.
INHALATION: Remove to fresh air.
SKIN CONTACT: Flush with water for at least 15 minutes.
EYE CONTACT: Flush with water for at least 15 minutes.

5. FIRE AND EXPLOSION DATA

FLAMMABILITY OF THE PRODUCT: Non-flammable.
AUTO IGNITION TEMPERATURE: Not applicable.
FLASH POINT: 94°C
FLAMMABLE LIMITS: Not applicable.
PRODUCTS OF COMBUSTION: Sulphur dioxide, carbon dioxide, carbon monoxide.
EXTINGUISHING MEDIA: In case of fire, use foam, carbon dioxide, and sand.
SPECIAL FIRE FIGHTING PROCEDURES: Wear protective equipments and self contained

	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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breathing apparatus.
UNUSUAL FIRE /EXPLOSION HAZARDS: Not Applicable
SUITABLE PPE: Wear PPE and self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Avoid contact with skin, eyes and clothing
ENVIRONMENTAL PRECAUTIONS: N.A.
METHOD OF CLEANING UP: Scoop up spilled material into HDPE drums using appropriate PPE and DIPOSE off safely. Cover the spilled area with sand and once again scoop up the material into HDPE drums and dispose off safely.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS: Avoid spills. Contain with absorbent material and Dispose. Flush with water for smaller spills. Avoid Skin and eye contact. Use PPE'S for eye and hand protection.

STORAGE PRECAUTIONS: Keep containers/drums tightly closed. Store at moderate temperature. Storage above 50°C will lead to hydrolysis.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide adequate ventilation.
PERSONAL PROTECTION : Face shield, safety goggles, rubber gloves, full body suit, rubber boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Colorless to Yellowish
MEAN MOLECULAR WEIGHT: SLES (1EO):340±3, SLES (2EO):384±3; SLES (3EO):437±5
SPECIFIC GRAVITY@20°C: 1.05-1.08
VISCOSITY: 1)5000CPS at Shear Rate 10/SEC
2)900CPS at Shear Rate 100/SEC
FLASH POINT: 94°C
MELTING POINTS: 5°C
BOILING POINT: 100°C
PH: 7-9 (3% SOLUTION)
ACTIVE MATTER: 68-70%
SODIUM SULPHATE: 1.0% MAX.
FREE OIL: 3.0% MAX.

10. STABILITY AND REACTIVITY DATA

CONDITIONS TO AVOID: Heat, Flame and other sources of ignition.
MATERIALS TO AVOID: Do not subject to acidic ph/ moisture strong acids and oxidizing agents.

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HAZARDOUS DECOMPOSITION PRODUCT: Do not subject to acidic pH/ moisture strong acids and oxidizing agents.

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY: No
ACUTE TOXICITY:
ORAL(LD50) (RAT) 5000 mg/Kg.
DERMAL(LD50)(RABBIT) Not available.
INHALATION(LC50) Not available.
SKIN IRRITATION: Severe irritation.
EYE IRRITATION : Severe irritation.
SENSITISATION : Not sensitising.
CHRONIC TOXICITY: None identified.
CARCINOGENICITY: No

12. ECOLOGICAL INFORMATION

COMMENT: N.A
ECO TOXICITY: N.A

13. DISPOSAL CONSIDERATIONS

METHODS OF DISPOSAL: In accordance with local , federal & state regulations

14. TRANSPORT INFORMATION

UN NUMBER: N.A.
LAND ROAD/RAILWAY:
ADR/RID CLASS Non-regulated
ADR/RID ITEM NUMBER Non-regulated
INLAND WATERWAYS:
ADNR CLASS Non-regulated
SEA:
IMDG CLASS Non-regulated
IMDG PAGE NUMBER Non-regulated
AIR:
IATA-DGR CLASS Non-regulated
PACKING: 140,220 KGS DRUM & 1000KG IPC

15. OTHER REGULATORY INFORMATION

EC REGULATIONS: N.A.
EC CLASSIFICATION: N.A.
LABEL NAME: Sodium Laurly Ether Sulphate.
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

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