



National Company for Sulfur Products

MATERIAL SAFETY DATA SHEET

Ref :OP 8.6 NCSP-MSDS-03	Title: SODIUM LAURYL SULPHATE 29%	Revision	02	Page 1 of 5
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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SODIUM LAURYL SULPHATE
COMPANY INFORMATION: NATIONAL COMPANY FOR SULPHUR PRODUCTS
P.O BOX: 2951, RIYADH 11461, KSA
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2. COMPOSITION AND INFORMATION ON INGREDIENTS

INFORMATION ON HAZARDOUS INGREDIENTS

CHEMICAL NAME: SODIUM LAURYL SULPHATE, SODIUM DODECYL SULFATE
MOLECULAR FORMULA: $\text{CH}_3(\text{CH}_2)_{10}\text{CH}_2\text{OOSOONa}$

CONTAINS	CAS No.	PARTS	SYMBOLS
SODIUM LAURYL SULFATE	151-21-3	28-30%	C-CORROSIVE
WATER	7732-18-5	70-72%	NA

3. HAZARDS IDENTIFICATION

ENVIRONMENTAL HAZARDS: None.

HUMAN HEALTH HAZARDS: Toxic if ingested, causes sever eye irritation risk of irreversible eye damage, causes severe skin irritation, may cause respiratory tract irritation

4. FIRST AID MEASURES

INGESTION: Drink plenty of water. Do not induce vomiting without medical advise. Consult a physician.

INHALATION: Remove to fresh air. If symptoms persist, call a physician.

SKIN CONTACT Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If symptoms persist call a physician.

EYE CONTACT Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

5. FIRE AND EXPLOSION DATA

FLAMMABILITY OF THE PRODUCT: Non-flammable.
AUTO IGNITION TEMPERATURE: Not applicable.
FLASH POINT: $>101^\circ \text{c}$, 213.8°f (minimum)
FLAMMABLE LIMITS: Not applicable.
PRODUCTS OF COMBUSTION: Sulphur dioxide, carbon dioxide, carbon monoxide.

	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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EXTINGUISHING MEDIA: Incase of fire, use foam, carbon dioxide, sand water fog
SPECIAL FIRE FIGHTING PROCEDURES Wear protective equipments and self contained breathing apparatus.
UNUSUAL FIRE /EXPLOSION HAZARDS Material will not burn until water has been evaporated.
Container may rupture on heating.
SUITABLE PPE Wear PPE and self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal protective equipment must be worn, see personal protection section for ppe recommendations. Take precautions to avoid release to the environment. Ventilate area if spilled in confined space or other poorly ventilated areas. Prevent entry into sewers and waterways, dispose of in accordance with all federal, state and local environmental regulation. Spilled liquid and dried films are slippery. Use care to avoid falls. Pick up free liquid for recycle and or disposal. Residual liquid can be absorbed on inert material. Wash spill area with soap and water.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS: Keep the containers closed when not in use. Do not discharge into drains or the environment. Dispose to an authorized waste collection point. Use appropriate containment to avoid. Avoid environmental containment. Avoid eye contact. Avoid repeated or prolonged skin contact. Avoid drinking, tasting, swallowing, or ingesting this product. Avoid breathing dust, fume, gas, mist, vapors, or spray. Minimize contact with air to rescue contamination with mold fungus or other organisms which could cause decomposition or spoilage. Wash thoroughly after handling empty containers in accordance with local, regional, national, and international regulations.

STORAGE PRECAUTIONS: Take precautions to avoid release to the environment. Keep from freezing. Keep container closed when not in use. Do not store in open, unlabeled or mislabeled containers.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

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

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Colorless to pale yellow liquid
MEAN MOLECULAR WEIGHT: 288.38
SPECIFIC GRAVITY@20°C: 1.01 -1.02
VISCOSITY 500cps (@25°C)
FLASH POINT >101° c
MELTING / FREEZING POINT ~0 °c
BOILING POINT 100°c
PH(10% SOL) 7.5-8.5
ACTIVE MATTER 28-30%
SODIUM CHLORIDE, % 0.2 (max)

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SODIUM SULFATE, % 0.8 (max)
UNSULFATED ALCOHOL, % 0.6 (max)

10. STABILITY AND REACTIVITY DATA

STABILITY: Material is normally stable at moderately elevated temperatures and pressures.

DECOMPOSITION TEMP: Not determined.

INCOMPATIBILITY: None known. Avoid contact with reactive chemicals polymerization will not occur.

THERMAL DECOMPOSITION: Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion conditions. Oxides of sulphur will be formed irritating and toxic substances may be emitted upon combustion, burning or decomposition of dry solids.

11. TOXICOLOGICAL INFORMATION

ACUTE EXPOSURE
EYE IRRITATION: Severe eye irritant. Risk of irreversible damage to eyes. Based on data from components or similar materials.

SKIN IRRITATION: Severe skin irritant. Based on data from components or similar products.

RESPIRATORY IRRITATION: May cause nose, throat, and lung irritation. Based on data from components or similar materials.

DERMAL TOXICITY THE LD50: In rabbits is > 2000 mg/kg. Based on data from components.

INHALATION TOXICITY: No data available to indicate product or components may be a skin sensitizer.

INHALATION SENSITIZATION: No data available to indicate product or components may be respiratory sensitizers.

CHRONIC EXPOSURE
CHRONIC TOXICITY: No data available to indicate product or components present at greater than 1% are chronic health hazards.

CARCINOGENICITY: No data available to indicate any components present at greater than 0.1% may represent a carcinogenic hazard.

MUTAGENICITY: No data available to indicate any components present at greater than 0.1% are mutagenic or genotoxic.

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REPRODUCTIVE TOXICITY: No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.

TERATOGENICITY: No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.

12. ECOLOGICAL INFORMATION

FRESH WATER FISH TOXICITY: The acute lc50 is 1-10 mg/l based on similar materials.

FRESH WATER INVERTEBREATES: The acute ec50 is 1-10 mg/l based on similar materials. Chronic effects expected at <1 mg/l based on similar materials.

ALGAL INHIBITION: The acute ec50 is 10-100 mg/l based on similar materials. Saltwater fish toxicity not determined in saltwater invertebrates.

TOXICITY: Not determined.

BACTERIA TOXICITY: Not determined.

MISCELLANEOUS TOXICITY: Not determined.

ENVIORNMENTAL FATE: Biodegradation this product will biodegrade rapidly based on OECD 301-type test data for similar products meets ready biodegradation criteria. Bioaccumulation 25% or greater of the components display no potential to bioconcentrate.

SOIL MOBILITY: Not determined.

13. DISPOSAL CONSIDERATIONS

METHODS OF DISPOSAL: In accordance with local, federal, and 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

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PACKING: 140,220 kg drum , 1000kg IBC & bulk

15. OTHER REGULATORY INFORMATION

EC REGULATIONS: N.A.
EC CLASSIFICATION: N.A.
LABEL NAME: Sodium Lauryl Sulphate (29%)
HAZARD SYMBOLS: N.A.
RISK PHRASES: N.A.
SAFETY PHRASES: N.A.
HAZARD CLASS: 8 (packing group: III)

16. OTHER INFORMATION

DATE OF FIRST ISSUE: 20-02-2012
DATE OF PREVIOUS MSDS: N.A.
DATE OF ISSUE: 20-02-2014
VERSION: 1
MSDS PREPARED BY: QC&QA Senior Chemist
AUTHORIZED BY: QC&QA Manager

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