



Safety Data Sheet

Section 1 - General Information And Chemical Product Identification

Product Name: Sodium Lauryl Sulfate Powder

CAS #: 85586-07-8

Chemical Name: Sulfuric acid, mono-C12-14-alkyl esters, sodium salts

Application/Uses: Used in personal care, laundry detergents, hard surface cleaning products

Restrictions: None specified

Distributor: Chemistry Connection
253 Sturgis Rd, Conway, AR 72034
(501) 470-9689

Emergency phone #: For Chemical Emergencies Call CHEMTREC - Day or Night - at 800 424 9300.

Section 2 - Hazard(s) Identification

Classification of the substance or mixture (GHS-US) **GHS Precautionary Statements - Prevention, Response, Storage, Disposal**

Acute tox Cat 4; H302
Eye Damage Cat 1, H318
Skin Irritant Cat 2, H315
Aquatic Chronic 3; H412

Physical Hazards

Hazard Statement

H302: Harmful if swallowed
H318: Causes serious eye damage
H315: Causes skin irritation
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

No other hazards classified

P280: Wear protective gloves/protective clothing/eye protection/face protection
P284: Wear respiratory protection
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302+352: IF ON SKIN: Wash with soap and water
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P332+313: If skin irritation occurs: Get medical advice/attention
P362: Take off contaminated clothing and wash before reuse
P280: Wear protective gloves/protective clothing/eye protection/face protection
P501: Dispose of contents/container to federal, state and local regulations.
P243: Take precautionary measures against static discharge

Signal Word

Danger

Corrosive Irritant

Section 3 - Composition/information On Ingredients

Molecular Weight: 297	Chemical FORMULA: C ₁₂ H ₂₆ O ₄ Na
CAS#: 85586-07-8	Common Name/Synonyms: Sodium Lauryl Sulfate
	% by Wt. 92-96%

Section 4 - First Aid Information

Description of first aid measures

General Advice:

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

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. 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 present and easy to do, remove contact lenses. 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 used at this time. **GET IMMEDIATE MEDICAL ATTENTION.**

If Swallowed:

If victim is conscious and alert, give water 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. Delay symptoms and effects: Ingestion may cause gastrointestinal irritation, vomiting and diarrhea.

Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

Section 5 - Fire And Explosion Data

Suitable Extinguishing Media:

Standard fire fighting techniques in extinguishing fires involving this material. Use water, foam, CO₂, fire extinguisher. - All types of fire extinguisher may be used.

Unsuitable Extinguishing Media:

None specified

Specific Hazards arising from the chemical:

Fire creates carbon dioxide (CO₂), carbon monoxide (CO) Sulfurous gases (SO_x)

No unusual fire or explosion hazards noted.

Special protective equipment and precautions for fire-fighters:

Fire fighters should wear full face, self-contained breathing apparatus and impervious clothing, such as gloves, hoods, suits and rubber boots.

Fire-fighting equipment/instructions

As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Evacuate nonessential personnel from the fire area. Water spray may be used to control dust.

Specific Methods

Standard procedure for chemical fires.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Make sure all personnel involved in the spill clean up follow good industrial hygiene practices. Spills can be handled routinely. Use adequate ventilation and wear a dust mask to prevent inhalation. Wear suitable protective clothing and eye protections to prevent skin and eye contact. (See Waste Disposal).

Environmental Precautions:

Consult with environmental regulatory agencies for acceptable procedures of disposal. Stop source of spill. Sweep up spilled solid material, being careful not to create dust. Return sweeping to stock or, if contaminated, place into a chemical waste container for disposal. Small amounts will not harm vegetation. Product is readily biodegradable.

Methods and Materials for Containment and Clean Up:

Product combined with water will give slippery surfaces. Collect any spilled product and deliver it to a qualified recipient according to local regulations. Small amounts may be rinsed away safely with water.

Section 7- Handling and Storage

Precautions for safe handling:

Avoid spilling, skin and eye contact. Avoid handling which leads to dust formation. Use spark-proof tools and explosion-proof equipment. Eliminate all sources of ignition. Take precautionary measures against static discharges. Avoid inhalation of dust. 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 a dry place. The bags must be stored unopened or sealed.

Incompatibilities:

Avoid contact with oxidizing agents. Strong acids. Avoid heat.

Section 8 - Exposure Control and Personal Protection

Occupational Exposure Limits:

Chemical Identity:	CAS #:	Exposure Limit Values		SOURCE	OSHA/PPM
		TWA	STEL		PEL
Sodium Lauryl Sulfate	85586-07-8	N/Av	N/Av	ACGIH Threshold Limit Values	none
				ACGIH Threshold Limit Values	
				ACGIH Threshold Limit Values	

Exposure Limits and Appropriate Engineering Controls:

Exposure limits represent regulated/recommended worker breathing zone concentrations measured by validated sampling and analytical methods, meeting OSHA requirements. The following limits (apply to this material, where, if indicated, S=skin and C=ceiling limit: ACGH TLV/TWA PARTICULATES NOT OTHERWISE CLASSIFIED : 10mg/cubic meter (INHALABLES) ACGH TLV/TWA PARTICULATES NOT OTHERWISE CLASSIFIED: 3mg/cubic meter (RESPIRABLE)

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. It is generally regarded as good practice to wear a minimum of safety glasses with side shields when working in industrial environments. **Wear approved 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. Neoprene, nitrile, polyethylene or PVC gloves. Use appropriate skin cream to prevent drying of skin.

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. Use specified dust masks.

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: White powder

pH: 9.0- 11.0

Melting Point: No data available

Freezing Point: No data available

Boiling Point: No data available

Flash Point: No data available

Solubilities: Very soluble in water

Specific Gravity: No data available

Bulk Density: 500 g/l

Other Information: Spontaneous combustibility: Value: >302°C
Not explosive, not oxidizing

Flammable Limits: Non-flammable

UEL: Not Determined

LEL: Not Determined

Vapor Pressure (mm/hg): Value: < 0.18 Pa / Test temp 20°C

Vapor Density(air=1): No data available

Autoignition Temp: No data available

Decomposition Temp: No data available

Reactivity In Water: None

Viscosity: No data available

Section 10 - Stability and Reactivity
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Chemical Stability and Reactivity:

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

Possible Hazardous Reactions:

Not relevant

Conditions to Avoid:

Risk concerning dust formation: Minimum ignition energy: 15-20mJ, Lower limit explosion 50-50 g/1000 litres, Maximum explosion pressure 7.5 bar Risks concerning dust formation: K(st): 170 bar m/s.

Incompatible Materials:

Avoid contact with oxidizing agents. Strong acids. Avoid heat.

Hazardous Decomposition Products:

Fire creates: Carbon dioxide (CO₂). Carbon monoxide (CO). Sulphurous gases(SO_x).

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. Irritating to respiratory system. Dust may irritate throat and respiratory system and cause coughing.

Skin Effects:

No test data found for product.

Acts as a defatting agent on skin. May cause cracking of skin and eczema.

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:

LD50 (Oral, Rat) 2000 mg/kg May cause discomfort if swallowed

LOAEL= 300 mg/kg bw/day in rats, 28 days. NOAEL= 100 mg/kg bw/day in rats, 28 days

Sensitization:

No test data found for product.

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. No data available for mutagenicity.

Reproductive Effects:

No reproductive toxicity.

Neurotoxicity:

No test data found for product.

Target Organs:

No test data found for product.

Additional Toxicological Information:

Not a specific target organ toxicant(STOT) by single - or long time exposure.

Section 12- Ecological Information

Ecotoxicity:

EC-50 value for Algae: 10-100 mg/l

Degradability:

Primary Biodegradation: MBAS = 98-100% Value: >78 p test period 28 days

Bioaccumulative potential:

88-96% MOST (OECD 301-E) No potential for bioaccumulation.

Mobility in the Soil:

No data available

Additional Adverse effect on environment:

LC-50 value for fish: 3-20mg/l

LC-50 value for Daphnia: 4.7 MG/L Duration: 48 hours

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 SDS 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. Small amounts may be flushed with water to sewer. Larger volumes must be sent to approved plant for destruction. Dispose of waste and residues in accordance with local authority requirements. Incinerate with provision for removal of effluent gases by scrubber.

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 Lauryl Sulphate 92%

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

UN #: N/A

Label Requirement: None

RQ: N/A

Placard: None

CAS: 85586-07-8

Packing Group: N/A

ERG Book Information: None

Environment Hazards: N/A

Marine Pollutant: N/A

Special Precautions: N/A

IATA: N/A

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

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:

None

SARA Section 313 Toxic Chemicals:

This product contains the following toxic chemical 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
CWA: Air Act 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 a chemical or chemicals subject to 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

Date of last revision:

5-8-2017

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N/R

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/A:	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	IMO:	International Maritime Organization Shipping Info.
RCRA:	Resource Conservation Recovery Act	WHMIS:	Workplace Hazardous Materials Information System
IATA:	International Air Transport Association Shipping Info.		
DSL:	Domestic Substance List (Canada)		