

SILVER FERN CHEMICAL



Safety Data Sheet

Sodium Stearate

SECTION 1: IDENTIFICATION

Product Name: Sodium Stearate

CAS Number: 822-16-2

Chemical Name: Fatty acids, sodium salts

Synonyms: Sodium octadecanoate

Uses: Lubricant

Company

Silver Fern Chemical, Inc.
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Suite #C
Seattle WA 98109, USA

Business Contact

Customer Service: 1-866-282-3384
info@silverfernchemical.com

24 Hour Emergency Contact

Infotrac 800-535-5053
Outside USA & Canada 352-323-3500

SECTION 2: HAZARD IDENTIFICATION

Warning



GHS classification:

Physical hazards : Not classified

Health hazards

Serious eye damage/eye irritation :	Category 2A
Acute aquatic toxicity :	Category 2
Chronic aquatic toxicity :	Category 2

Precautionary Statement / Prevention:

Wash hands thoroughly after handling.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

CAS #	Content (W/W)	Ingredients
822-16-2	>96%	Sodium Stearate
68424-38-4 & 67701-03-5	<2%	Palmitic & Stearic Acid mixture

Molecular weight : 306.46 g/mol

Formula: C₁₈H₃₅NaO₂

SECTION 4: FIRST AID MEASURES

If inhaled: Remove to fresh air. Get medical attention for any breathing difficulty.

In case of skin contact: Wash with clean water

In case of eye contact: Wash thoroughly with running clean water. Get medical advice if irritation develops

If swallowed: Seek medical advice

Acute and delayed symptoms: To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated

First aid and notes for physicians: No data available

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: Data not available

Lower/Upper explosion limit: Data not available

Suitable extinguishing media: Carbon dioxide, dry chemical powder, alcohol foam, water spray. Water or foam may cause frothing.

Unsuitable extinguishing media : Water jet

Special hazards arising from the substance or mixture:

Advice for firefighters: In the event of a fire, wear full protective clothing and approved self-contained breathing apparatus. Fight fire from a safe distance or a protected location. Under certain conditions, a dust cloud of sodium stearate can explode when ignited by a spark, flame or other ignition source. Must avoid generating dust to minimise risk of explosion

SECTION 6: ACCIDENTAL RELEASE MEASURES

Containment: Keep unnecessary personnel away. Eliminates all sources of ignition. Do not allow the spilled product to enter sewers or open waterways

Clean-up Procedures: Avoid the generation of dust during the clean-up. Vacuum spills or cover with damp sand or saw-dust if sweep.

SECTION 7: HANDLING AND STORAGE

Handling: Open packaging bag carefully, avoid spillage and dust formation and control ignition sources. Use this product with adequate ventilation. Wash hand after handling

Storage: Store in cool, dry place to avoid the effects of heat and moisture. Keep container tightly closed and properly labeled. Avoid exposure to sunlight, heat and spark. Ground all equipment containing material.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personal Protective Equipment (PPE)

Respiratory protection: An appropriate dust respirator. Should be used as a precautionary measure where airborne contaminants may occur

Hand protection: Protective gloves

Eye protection: Safety glasses. A face-shield, if the situation requires

Body protection: Overall or dust cloth, change daily

Engineering controls: General room ventilation plus local exhaust at points of emission to maintain levels of airborne contaminants below exposure limits

Exposure limit: ACGIH TLV : TWA 10mg/m³ (Total),

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Fine, soft white powder
Odor	Slight fatty acid odour
Odor Threshold	no data available
pH	no data available
Melting point	> 200°C
Initial boiling point and boiling range	no data available
Flash point	no data available
Evaporation rate	Not applicable
Flammability (solid, gas)	Non-flammable but combustible
Upper/lower flammability or explosive limits	no data available
Vapor pressure	no data available
Vapor density	no data available
Relative density	0.94-1.14
Solubility	Soluble in hot water
Partition Coefficient: n-octanol/water	no data available

Auto-ignition temperature no data available
Decomposition temperature: no data available
Viscosity: Not applicable

SECTION 10: STABILITY AND REACTIVITY

Conditions to avoid: Incompatible materials, static charge, sparks, heat and other ignition sources, generation of dust

Substances to avoid: Can react with acids, oxidizing agents and alkalies

Hazardous reactions: Decomposed by acids, oxidizing agents and alkalies

Decomposition products: Carbon monoxide and carbon dioxide

Chemical stability: Stable under normal condition of storage & transport

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity:

Skin corrosion/irritation : Probably not irritating and not absorbed

Serious eye damage/eye irritation : Causes serious eye irritation

Inhalation: May cause respiratory tract irritation

Ingestion: May be harmful if swallowed.

Germ cell mutagenicity: No information available.

Carcinogenicity: No information available

Reproductive toxicity : No information available

Chronic Health Effects: Long term exposures to high concentration of dust may cause increased mucous flow in the nose and respiratory system airways. This condition usually disappears after exposure ceases.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity : Toxic to aquatic life.

Biodegradability: No information available.:

Bioaccumulative Potential: No information available

Mobility in Soil: No information available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste disposal of substance: Dispose of waste in accordance with local regulations and acts. Contaminated packaging must be treated in the same manner as the product itself.

Precautions for disposal: Prevent material from entering drains, sewers, streams etc.

SECTION 14: TRANSPORT INFORMATION

UN No.: Not regulated
UN proper shipping name: Not regulated
Transport hazard class: Not regulated
Packing group: None
Special shipping instructions: None

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

SECTION 15: REGULATORY INFORMATION

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

Sodium stearate

CAS-No. 822-16-2

New Jersey Right To Know Components

Sodium stearate

CAS-No. 822-16-2

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: OTHER INFORMATION

HMIS Rating	Health 1	Reactivity 0	Flammability 1
NFPA Rating	Health 1	Fire 1	Reactivity 0

DISCLAIMER OF RESPONSIBILITY

The information on this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS information may not be applicable.

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