



Safety Data Sheet

Section 1: Identification

Trade Name: SODIUM STEARATE NF
Company: Soapgoods Inc
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Emergency Phone: Chemtrec 1 800 424 9300
NAME: Sodium salt of fatty acids C16-C18
CAS #: 822-16-2 (68424-38-4)
EINECS #: 212-490-5 (270-299-2)

Section 2: Hazard(s) Identification

When used appropriately, no adverse effects are known to be caused by the product.

Section 3: Composition/Information on Ingredients

Chemical Name	CAS No	% Content	
Sodium salt of fatty acids C16-C18	822-16-2 (68424-38-4)	100	212-490-5 (270-299-2)

Section 4: First-Aid Measures

INHALATION: Not necessary
SKIN: Remove contaminated clothing immediately, and dispose of in a controlled way.
INGESTION: Because of mechanical irritation, wash with plenty of water for 10-15 minutes.
EYES: Rinse out mouth and drink water.

Section 5: Fire-Fighting Measures

SUITABLE EXTINGUISHING METHODS: Foam, dry powder, chemical powder, carbon anhydride, water spray
METHODS NOT SUITABLE FOR SAFETY REASONS: Water jet.
SPECIAL EXPOSURE HAZARDS: The fumes may contain sodium oxide. Do not breathe the fumes, vapors or dust.

SPECIAL PROTECTIVE EQUIPMENT: Respirator.

Section 6: Accidental Release Measures

PERSONAL PRECAUTIONS: Prevent dust formation. Remove ignition sources – do not smoke.

ENVIRONMENTAL PRECAUTIONS: Keep out of sewers, drains, surface and underground water and ground.

METHODS FOR CLEAN-UP: Spray spilled material with water and take it up mechanically. Store in a closed container.

Section 7: Handling and Storage

HANDLING: The usual precautionary measures have to be applied when dealing with chemicals. Prevent dust depositing. Take preventive measures against dust explosion. Keep away from ignition sources.

STORAGE: Store in dry conditions at room temperature.

SPECIFIC USES: Pharmaceutical and cosmetic gelling agent.

Section 8: Exposure Controls/Personal Protection

TLV – TWA (mg/m³ MAK): 6

PERSONAL PROTECTION EQUIPMENT:

Respiratory: Use approved breathing mask

Hand: Gloves

Eye: Goggles

Skin: Overall

SPECIFIC HYGIENE METHODS: Do not eat, drink, or smoke while working.

Wash hands before breaks.

Change contaminated clothing.

Clean whole body after working.

ADDITIONAL INFORMATION: Preventive skin-care lotion is recommended.

Use anti-static working shoes.

Section 9: Physical and Chemical Properties

PHYSICAL FORM:

Appearance: Powder

Color: White

Odor: Typical

PROPERTIES:

Melting Point°C: 215

Freezing Point, °C: Not applicable

Cloud Point, °C: Not applicable

Boiling Point, °C: Not applicable

Flash Point, °C: Not applicable

Ignition Temp, °C: Not determined

Autoignition, °C: Not determined

Oxidizing Properties: None

Danger of Explosion, g/m³

:

Product: None

Mix powder/air: Yes

Explosion Limits, g/m³

:

Lower: 30 g/m³

Upper: Not applicable

Vapor Pressure: Not applicable

Density (20°C), g/mL: 1.02 approx.

Apparent density, g/mL: 0.30 approx.

Solubility (20°C):

Water: Soluble

Fat: Not determined

pH (20°C, H₂O): Not applicable

Section 10: Stability and Reactivity

CONDITIONS TO AVOID: Sources of ignition. Dust formation.

MATERIALS TO AVOID: None.

DECOMPOSITION PRODUCTS: Stable at normal storage and handling temperature.

ADDITIONAL INFORMATION: Dust-air mixture can explode.

Section 11: Toxicological Information

ACUTE EFFECTS: LD₅₀ oral-rat: >2 g/Kg

IRRITATION: Not determined

SENSITIZATION: Not determined

CHRONIC TOXICITY: Not determined

ROUTE OF ENTRY: Inhalation of dust and ingestion

ADDITIONAL INFORMATION: No adverse effects are known when used appropriately.

Section 12: Ecological Information

WATER SOLUBILITY: 140 mg/L
DISTRIBUTION COEFFICIENT
N-OCTANOL / WATER: 0.28
BIODEGRADABILITY (23 days): 4.4
COD: 4200 mg O₂/g
BOD₅: Not determined
BOD₂₈: 184 mg O₂/g
FISH TOXICITY (LC₅₀): >100 mg/L
BACTERIA TOXICITY (EC₅₀): 5450 mg/L
ALGA TOXICITY (LC₅₀): Not determined
DAPHNIA TOXICITY (LC₅₀): Not determined
WATER CONTAMINATION CLASS: WGK 0 (Minimum hazard for aquatic organisms)
The national and local regulations for the protection of the environment must be observed.

Section 13: Disposal Considerations

PRODUCT: Dispose of the product in accordance with local, state and federal regulations. Waste disposal by controlled incineration or designated landfill subject to applicable local, state and federal regulations.
PACKAGING: Contaminated packaging material is hazardous to health or environment. Controlled disposal according to applicable local, state and federal regulations.

Section 14: Transport Information

ADR: Not applicable
IMCO: Not applicable
IATA: Not applicable
UN #: Not applicable
ADDITIONAL INFORMATION: Not subject to transport regulations.

Section 15: Regulatory Information

Directive 67/548/EEC and its modifications, adaptations and later transportations.
According to our data, this product is not dangerous in the sense of this directive.
INCI NAME: Sodium Stearate

Section 16: Other Information

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