



Safety Data Sheet

**Section 1: Identification**

Trade Name: SODIUM STEARATE NF  
Company: Soapgoods Inc  
Address: 1824 Willow Trail Pkwy, Ste 200. Norcross. GA 30093  
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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/m<sup>3</sup> 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/m<sup>3</sup>

:

Product: None

Mix powder/air: Yes

Explosion Limits, g/m<sup>3</sup>

:

Lower: 30 g/m<sup>3</sup>

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, H<sub>2</sub>O): 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: LD<sub>50</sub> 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 O<sub>2</sub>/g  
BOD<sub>5</sub>: Not determined  
BOD<sub>28</sub>: 184 mg O<sub>2</sub>/g  
FISH TOXICITY (LC<sub>50</sub>): >100 mg/L  
BACTERIA TOXICITY (EC<sub>50</sub>): 5450 mg/L  
ALGA TOXICITY (LC<sub>50</sub>): Not determined  
DAPHNIA TOXICITY (LC<sub>50</sub>): 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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