



ACME  
HARDESTY  
OLEOCHEMICALS

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# Material Safety Data Sheet

PRODUCT NAME: SODIUM STEARATE NF

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## IDENTIFICATION AND DISTRIBUTOR INFORMATION

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TRADE NAME: SODIUM STEARATE NF  
DATE PREPARED: March 5, 2009  
  
DISTRIBUTOR: ACME-HARDESTY COMPANY  
ADDRESS: 450 Sentry Parkway  
Blue Bell, PA 19422  
  
TELEPHONE: (866) 226 – 3834  
FAX: (215) 591 – 3620  
EMERGENCY: CHEMTREC (800) 424-9300

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## COMPOSITION / INFORMATION ABOUT COMPONENTS

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NAME: Sodium salt of fatty acids C16-C18  
CAS #: 822-16-2 (68424-38-4)  
EINECS #: 212-490-5 (270-299-2)

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## HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

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

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## FIRST AID MEASURES

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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.

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## FIRE –FIGHTING MEASURES

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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.

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ACCIDENTAL RELEASE MEASURES

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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.

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HANDLING & STORAGE

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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.

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EXPOSURE CONTROLS / PERSONAL PROTECTION

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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.

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STABILITY / REACTIVITY DATA

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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.

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DISPOSAL CONDITIONS

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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.

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PHYSICAL/CHEMICAL CHARACTERISTICS

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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

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TOXICOLOGICAL INFORMATION

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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.

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TRANSPORT INFORMATION

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ADR: Not applicable  
IMCO: Not applicable  
IATA: Not applicable  
UN #: Not applicable

ADDITIONAL INFORMATION: Not subject to transport regulations.

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ECOLOGICAL INFORMATION

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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.

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REGULATORY INFORMATION

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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