



ACME  
HARDESTY  
OLEOCHEMICALS

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# Material Safety Data Sheet

PRODUCT NAME: SODIUM STEARATE NF - POWDER

## IDENTIFICATION AND DISTRIBUTOR INFORMATION

TRADE NAME: SODIUM STEARATE NF - POWDER  
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

## COMPOSITION / INFORMATION ABOUT COMPONENTS

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

## HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

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

## 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.

## 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.

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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

The data herein are based on our current knowledge and believed to be reliable. Acme-Hardesty Co., provides this information without any representation or warranty, expressed or implied, regarding its accuracy or correctness.

Users must make their own determination that handling, storage and use of the product in the anticipated manner is safe and appropriate. Because these actions of the user are out of our control, and may be beyond our knowledge, we do not assume responsibility and expressly disclaim liability for loss, damage, expense or any other claim arising out of or in any way connected with the handling, storage, use or disposal of the product.

Disposal of containers must comply with applicable federal, state and local laws and regulations. Empty containers should never be given to individuals.