



ACME  
HARDESTY  
OLEOCHEMICALS

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# Material Safety Data Sheet

PRODUCT NAME: STEARIC ACID 55% - VEGETABLE BASED

## IDENTIFICATION AND DISTRIBUTOR INFORMATION

TRADE NAME: STEARIC ACID 55% - VEGETABLE BASED  
CAS#: 57-11-4  
EINECS# 2669264  
DATE: May 28, 2008

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

## HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

NOT APPLICABLE-NON HAZARDOUS

## PHYSICAL/CHEMICAL CHARACTERISTICS

APPEARANCE: White solid  
VISCOSITY: Not applicable  
BOILING POINT, °C @ 760mm Hg: >360  
VAPOR DENSITY (AIR=1): Not known  
% VOLATILE (by wt): Nil  
EVAPORATION RATE (butyl acetate=1): Not applicable  
pH: Not known  
ODOR: Mild fatty  
MELT/FREEZE POINT, °C: 58 - 62  
VAPOR PRESSURE (mm Hg): 4 @ 209°C  
SOLUBILITY IN WATER: Insoluble  
SPECIFIC GRAVITY (H<sub>2</sub>O=1): 0.85 @ 70°C

## FIRE & EXPLOSION HAZARD DATA

FLASH POINT (method): 196°C COC  
LEL / UEL: Not known  
AUTO IGNITION TEMP: Not known  
EXTINGUISHING MEDIA: Water, foam, CO<sub>2</sub> or Dry Chemical

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FIRE & EXPLOSION HAZARD DATA, cont.

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FIRE FIGHTING PROCEDURES:

Must wear MSHA / NIOSH approved self-contained breathing apparatus and protective clothing.

FIRE / EXPLOSION HAZARDS:

Product of combustion are toxic. Treat as hot oil or fat. If water must be used, use a fog nozzle to avoid spattering of hot material and spread of burning liquid.

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HEALTH EFFECTS INFORMATION

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PRIMARY ROUTES OF ENTRY: Skin contact and Eye contact.

EFFECTS OF OVEREXPOSURE: No information found. Based upon information available for similar products it is anticipated that direct skin contact will not result in irritation.

EMERGENCY FIRST AID PROCEDURES:

- EYES: Flush eyes with plenty of water for several minutes. Seek medical attention if irritation develops or persists.
- SKIN: Wash affected areas with plenty of water, and soap if available, for several minutes. Seek medical attention if irritation develops or persists.
- INGESTION: If swallowed, give 3-4 glasses of water but DO NOT induce vomiting. If vomiting does occur, give fluids again. Get medical attention to determine whether vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person.
- INHALATION: Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

CHEMICALS LISTED AS CARCINOGEN BY:

- NATIONAL TOXICOLOGY PROGRAM: No
- I.A.R.C. MONOGRAPHS: No
- OSHA: No
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REACTIVITY DATA

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- STABILITY: Stable
- CONDITIONS TO AVOID: None known
- HAZARDOUS DECOMPOSITION: Thermal decomposition may produce oxides of carbon.
- HAZARDOUS POLYMERIZATION: Will not occur
- CONDITIONS TO AVOID: None known
- INCOMPATIBLE MATERIALS: Strong oxidizing agents, acid or bases
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SPILL AND DISPOSAL INFORMATION

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Caution! If wet, floors may become slippery. Wear appropriate protective gear and respiratory protection where particulates of unknown concentrations may be generated (self-contained breathing apparatus preferred for large spills.) Shovel spills into appropriate containers for disposal. To remove residue, wet with water, absorb with sand or vermiculite and place in compatible container for disposal. Keep out of sewers and open bodies of water.

WASTE DISPOSAL METHOD:

Dispose of in compliance with all Federal, state and local laws and regulations. Incineration is the preferred method.

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PERSONAL PROTECTION INFORMATION

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VENTILATION TYPE: In processes where dusts may be generated, proper ventilation must be provided in accordance with good ventilation practices.

RESPIRATORY PROTECTION: Where dust or particulates are generated by the process, a NIOSH / MSHA jointly approved respirator is advised in the absence of proper environmental controls.

PROTECTIVE GLOVES: None needed under normal use conditions.

EYE PROTECTION: None needed under normal use conditions.

OTHER EQUIPMENT: None needed under normal use conditions.

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STORAGE & HANDLING

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PRECAUTIONS FOR STORAGE AND HANDLING:

To maintain product quality, do not store in heat of direct sunlight. Keep containers closed until used.

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TOXICOLOGY INFORMATION

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ORAL LD50 (RAT): >5000 mg/kg

SKIN IRRITATION: (RABBIT): Non-irritant

EYE IRRITATION (RABBIT): Non-irritant

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REGULATORY INFORMATION

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Found on U.S. EPA TSCA Inventory.  
Listed in 21 CFR 182 Subpart B as GRAS (U.S. FDA)

HAZARD CLASSIFICATION: Non-hazardous

SHIPPING NAME: No regulated

LABEL: None

HEALTH: 0

FLAMMABILITY: 1

REACTIVITY: 0

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.