

Material Safety Data Sheet



PRODUCT NAME: STEARIC ACID 50NF

CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

TRADE NAME: STEARIC ACID 50 NF
CAS #: 57-11-4
EINECS#: 200-313-4
DATE: June 14, 2013

DISTRIBUTOR: ACME-HARDESTY CO.
ADDRESS: 450 Sentry Parkway
Blue Bell, PA 19422

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COMPOSITION / INFORMATION ON INGREDIENTS

COMPOSITION	CHEMICAL FORMULA	CAS#	PROPORTION	EC#	EC SYMBOL/R-PHRASE
Hexadecanoic Acid +	$C_{16}H_{32}O_2/CH_3(CH_2)_{14}COOH$	67701-03-5	----	266-928-5	Not Applicable
Octadecanoic Acid	$C_{18}H_{36}O_2/CH_3(CH_2)_{16}COOH$		40 - 60		
Hexadecanoic (C16) + Octadecanoic (C18)			90 min		

SYNONYM: Triple Pressed Stearic Acid

HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Special hazards for man and environment: None

FIRST AID MEASURES

INGESTION: Rinse mouth, drink plenty of water, see physician.
Do not give anything by mouth to an unconscious person.

EYE CONTACT: Flush with water, take to a doctor if necessary.

SKIN CONTACT: Remove contaminated clothing, flush skin with water or shower, take to a doctor if necessary.

INHALATION: Not relevant.

FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry powder, carbon dioxide or foam, water spray jet

SPECIAL HAZARD: Liquid product may have temperature exceeding 50°C

ACCIDENTAL RELEASE MEASURE

PERSONAL PRECAUTIONS: Avoid contact with skin and eyes.

ENVIRONMENT PRECAUTIONS: Do not allow to flow into drainage system.

CLEAN-UP METHODS: Collect leakage in sealable containers.
Soak up with sand or other inert absorbent and remove to safe place.
Wash site with sodium bicarbonate solution or soda ash.
Spillage may be allowed to solidify; then shovel into containers.
Clean up area immediately.

HANDLING AND STORAGE

HANDLING: Avoid open flames.
Use gloves and wear goggle when handling.
Always work safely around open hatches on bulk tanks.
The low density makes floatation difficult for immersed person.

STORAGE: Keep in a cool and dry place, avoid extreme heat and cold.
Store in a clean, dry, preferably stainless steel vessel.
In bulk, store at about 5-10°C above melting point or at ambient temperature.
Temperature higher than necessary degrades quality at rates dependent on time and temperature of exposure.

EXPOSURE CONTROL / PERSONAL PROTECTION

EXPOSURE LIMIT: Not applicable

INDUSTRIAL HYGIENE: Normal standard of industrial hygiene to be observed

PERSONAL PROTECTIVE EQUIPMENT:

HAND/SKIN PROTECTION: Use rubber gloves

EYE PROTECTION: Wear approved safety goggles and face shield

PHYSICAL/CHEMICAL CHARACTERISTICS

APPEARANCE: Waxy, white crystalline solid

ODOR: Slight bland-like odor

SOLUBILITY: Soluble in ethanol, ether and most organic solvents
Insoluble in water (20°C)

BOILING POINT, °C: >300

MELTING POINT, °C: 55 – 60

VAPOR PRESSURE (mm of Hg @ 131°C): <1.0

% VOLATILES: Not known

EVAPORATION RATE: Not known

VAPOUR DENSITY: Not known

DENSITY, g/ml @ 75°C: 0.85

FLASH POINT, °C (Pensky-Kartens Closed Cup): >200°C

AUTO-IGNITION TEMPERATURE, °C: >250°C

VISCOSITY, mPa.s @ 65°C: 8.04

MOLAR MASS: 256.4 – 284.5

STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Avoid direct fire.
MATERIALS TO BE AVOIDED: None known if used for its intended purpose.
DECOMPOSITION PRODUCTS: None known if used for its intended purpose.

DISPOSAL INFORMATION

Disposal method in accordance with all applicable notional environment laws and regulations

TOXICOLOGICAL INFORMATION

TOXICITY DATA: LD 50 (oral, rat) = 10000 mg/kg
CARCINOGENICITY: None
REPRODUCTIVE EFFECTS: No harmful effects expected
EFFECT OF OVER-EXPOSURE: No harmful effects expected
CHRONIC EFFECTS: No harmful effects expected
TARGET ORGANS: Not Applicable
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: No special requirements.

ECOLOGICAL INFORMATION

ECOTOXICITY: Acute fish toxicity: LC 50 > 100mg product/liter
Acute bacteria toxicity: EC 50 > 100mg product/liter
BIODEGRADABILITY: Biodegradable

TRANSPORT INFORMATION

Not a hazardous material according to RID/ADR, GGVS/GGVE, ADN, IMDG, ICAO-TI / IATA-DGR

REGULATORY INFORMATION

Palm Kernel / Palm based blended fatty acids is classified under non-hazardous chemical

EUROPEAN INFORMATION: Based on toxicological studies I the published literature, there are no risk and safety phrases to assign this product.

All components of this product are listed on the following inventories:

- TSCA (Toxic Substances Control Act)
- DSL (Canada)
- EINECS/ELINCS (Europe)
- AICS (Australia)

OTHER INFORMATION

Always work safely around open hatches on bulk tanks. The low density makes flotation difficult for immersed person.

HMIS Information: Health: 1 Flammability: 1 Reactivity: 0

NFPA Information Health: 1 Flammability: 1 Reactivity: 0

“ Not Listed on CA Prop 65”

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