

Material Safety Data Sheet

PRODUCT NAME: **STEARIC ACID 70% - VEGETABLE BASED FGK**

CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

TRADE NAME: STEARIC ACID 70% - VEGETABLE BASED FOOD GRADE KOSHER
 CAS#: 57-11-4
 EINECS# 2669264
 DATE: August 21, 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

COMPOSITION / INFORMATION ON INGREDIENTS

Stearic Acid (C18):

COMPOSITION	CHEMICAL FORMULA	CAS#	PROPORTION	EC#	EC SYMBOL/R-PHRASE
Octadecanoic Acid +	C ₁₈ H ₃₆ O ₂ /CH ₃ (CH ₂) ₁₆ COOH	57-11-4	66 – 71	200-313-4	Not Applicable

SYNONYM: Palmitic/Stearic Acid (C16/C18)

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	27 – 33	266-928-5	Not Applicable
Octadecanoic Acid	C ₁₈ H ₃₆ O ₂ /CH ₃ (CH ₂) ₁₆ COOH		66 – 71		

HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

SPECIAL HAZARDS FOR MAN/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.

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:	>350
MELTING POINT, °C:	68
FLASH POINT, °C (Pensky-Kartens Closed Cup):	>200°C
AUTO-IGNITION TEMPERATURE, °C:	>250°C
DENSITY, g/ml @ 75°C:	0.85
VAPOR PRESSURE (mm of Hg @ 131°C):	<1.0
VISCOSITY, mPa.s @ 65°C:	9.56

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

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

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

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

REGULATORY INFORMATION

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

HAZARD CLASSIFICATION:	Non-hazardous	HEALTH:	0
SHIPPING NAME:	No regulated	FLAMMABILITY:	1
LABEL:	None	REACTIVITY:	0