

# Material Safety Data Sheet



PRODUCT NAME: TRIPLE PRESSED STEARIC ACID VEG

## CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

TRADE NAME: TRIPLE PRESSED STEARIC ACID VEG  
CAS #: 57-11-4  
EINECS#: 200-313-4  
DATE: December 19, 2007

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

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 - 66	266-928-5	Not Applicable
Octadecanoic Acid	$C_{18}H_{36}O_2/CH_3(CH_2)_{16}COOH$		32 - 72		

SYNONYM: Palmitic Acid 55%

## HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Special hazards for man and environment: None

## 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

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FIRST AID MEASURES

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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.

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FIRE FIGHTING MEASURES

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EXTINGUISHING MEDIA: Dry powder, carbon dioxide or foam, water spray jet  
SPECIAL HAZARD: Liquid product may have temperature exceeding 50°C

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ACCIDENTAL RELEASE MEASURE

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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.

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HANDLING AND STORAGE

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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.

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EXPOSURE CONTROL / PERSONAL PROTECTION

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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

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STABILITY AND REACTIVITY

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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”